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cattcgcacc tccccctc gtgcctgccc tgcctctcca cgcacagtgt taaggagcca 2700
agaggagcca cttcgcccag actttgtttc cccaccgcct gcggcatggg tgtgtccagt 2760
gccaccgctg gcctccgctg cttccatcag ccytgtcgcc acctggtcct tcatgaagag 2820
cagacactta gaggctgggtc gggaatgggg aggtcgcccc tgggagggca ggcgttggtt 2880
```

```

ccaagccggt tcccgtccct ggcgctgga gtgcacacag cccagtcggc acctggtggc 2940
tggaagccac cctgctttag atcactcggg tccccacctt agaaggggtcc ccgccttaga 3000
tcaatcacgt ggacactaag gcacgtttta gagtctcttg tcttaatgat tatgtccatc 3060
cgtctgtccg tccatttgtg ttttctgcgt cgtgtcattg gatataatcc tcagaaataa 3120
tgcacactag cctctgacaa ccatgaagca aaaatccggt acatgtgggt ctgaacttgt 3180
agactcggtc acagtatcaa ataaaatcta taacagaaaa aaaaaaaaaa gggngccgtc 3240
taaagatcaa cttctncctt gatca 3265

```

<210> 143

<211> 765

<212> DNA

<213> Homo sapiens

<400> 143

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gccacgcgt ccgcccacgc gtccgcggac gcgtgggggg tgacattgag ctcaccagcg 60
ccaccgtccc cggcgaagtt ctgcgctggt cggcggagta gcaagtggcc atggggagcc 120
tcagcggctc gcgcctggca gcaggaagct gttttagggt atgtgaaaga gatgttcct 180
catctctaag gcttaccaga agctctgatt tgaagagaat aaatggattt tgcacaaaac 240
cacaggaaag tcccggagct ccatcccgca cttacaacag agtgccttta cacaaaccta 300
cggattggca gaaaaagatc ctcatatggt caggtcgctt caaaaaggaa gatgaaatcc 360
cagagactgt ctcgttggag atgcttgatg ctgcaaagaa caagatgcga gtgaagatca 420
gctatctaata gattgccctg acggtggtag gatgcatctt catggttatt gagggcaaga 480
aggctgcccc aagacacgag actttaacaa gcttgaactt agaaaagaaa gctcgtctga 540
aagaggaagc agctatgaag gccaaaacag agtagcagag gtatccgtgt tggctggatt 600
ttgaaaatcc aggaattatg ttataacgtg cctgtattaa aaaggatgtg gtatgaggat 660
ccatttcata aagtatgatt tgcccaaac tgtaccattt ccgtatttct gctgtagaag 720
tagaaataaa ttttcttaaa taaaaaaaaa aaaaaaaaaa tcgag 765

```

<210> 144

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 144

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gccacgcgt ccgggttgct ctattattat tattattatt atttgccttt ttttaatcac 60
cattttattg tgtaatcttt ctccattgat tggctgtcat tcttataata tctgaactac 120
cccataaaat aattctctga cttaaaggca tttagctttt gcttatcgtt tttacatcct 180
ctattcaact aagacactgt cttgagagtt attttttcca gatggatcgt tggcctaaat 240
tttcacactt ctcccctggt catccttttt cctcttccct gcttcctggg aataaaaagga 300
acttttttaa aaaaattaat tagtccacag gwctmattat ctttctttat gattaatcta 360
tgactttttg gtacaagaac aatggaaaaa gtgaattaag gtaatgaaca aaacctttca 420
cccacttaaa cattttccag ttttgagatt cctcttcgtg tttgtggtgt cttccccttg 480
ttaccccttc tgcccttttt ctctgactat ggtaatttgg tctttaggct catatcagtc 540
tccccgagac attctgcagt cattatcacc tttttgggtg gattttattt tgttttattt 600
tgtttttttt aaaaaataa ctttttaaca ttggtgcata tttgcttggg atagagcttg 660
tgtaatttac caatcgtatt gattgtaagt gattgtgccc tgcagaggta tatttaacaa 720
gacaaaaata atcttggtta ataaaggagc ccatgagatt tgagtcagggt tgtaagtga 780
atcacttaca cttttggata gaatttatac tcctgctctt ataaatcagt ggtagactta 840
ccatttttta aagttttctt gcattttttt gtttttttat tgccacagct ccctattctt 900
tcttgccctg ctccaccccc ctgttcagga aaaaaaaaaa ttgagcctta aagtgcagc 960
tgatttttta attgctgaat tttgtgaaat tttacttttt ccaagtgttt ccaactttta 1020

```

```
aaagagaagt gaagacaaat aggttgaat ggtgaagaca aatggrttgg ratttcacag 1080
gctgtgaata attccttagg atctggcaaa cagtgaagtc ttatttgaag accttatctc 1140
ctgagagttc ttttgagta ggaaaaagaa ccctatttga aatagaccgt ttttctcttg 1200
tttttaattc gttaaatatt tctgattttt aagcagcttt caaaacaagt gtggtggaaa 1260
aaaagaaata gtagtaggaa gatgttttagg gcagcagaac tctgggtcta aataagtaca 1320
tgttcccact tgttgccgat ttttgagagt actagggcca tctttctcaa ttttgtatta 1380
tttgtgtgca tgtttatatc aaagatgccc attttggtta aatgctattt cctttattac 1440
cttggaact gactcagcct catgttgctc ctaattagtg tttaaggctc ccatgagttg 1500
cagataaaat gatttatatt aacaagtaga aggaggtgat tcaccttttg gattgtaaat 1560
atatgaaaat gtctacaagg tctttatctg ctttctgtca gcatttatat taaatgataa 1620
attaatgagg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaagggc ggcc 1694
```

<210> 145

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (743)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (749)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (755)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (821)

<223> n equals a,t,g, or c

<400> 145

```
tgtcacagac tacttcatca gtcgcttatac tggagctggg accaagggtt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccacat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccagggt acgacggatt 180
tnctgccagc ctgcagatcc tgcgcctgtc gccctgcagg tctctgtacc cttcagacca 240
ccttgctctg gttcctgggc agagctcagc agtacttggc agcatgggac ccagcttcct 300
tcctgctcct gatccaaaag gacttacctc ctctgttgca tgaggcagaa gctttgtata 360
gcctggcctc agaggaaagc ttagctctgg aagtggagca gcagctgggc ctggagatcc 420
agaagctgac tgcacagatc cagctcctgc ctgaagagtc actaagtgtc ttttctcaag 480
aatgtcataa acaagccatg caaggtttca agctctacat gccacggggg cggtagctggc 540
ggcttcgtct ctgtcctgaa cctcccagtg ctcctagtga gtatgctggg ttagtggtcc 600
gcaccgtact ggagcctgtg ttgcaaggat tgcaagggtt gcacctcaag cccaggcccc 660
tgcccttggt caggctctga cggscatcgt ggggtgcctgg cttgaccaca ttcttacc 720
tgggattcgg nttcaacctg canggagcnc tkcancntaa acaagacttt ggaatggtca 780
ggagtttggt gaaaagagca tggacctgtc cctgatntcg nca 823
```

<210> 146

<211> 1134

<212> DNA

<213> Homo sapiens

<400> 146

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caaaagcata gagaaattat aaaattcaag aacagatgtt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttggtgt gacaccatca cacatcaaag cctacatgtt 120
gatgactctt caaggattag aatatttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggtgtgata ttagcagagt tacttctaag gggtcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcata 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatgcgcc 660
agggccaaca cctggatgtc agctgccaaag accaaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaat ccagcttttg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgcccaag aaactaattt tttaaagaga acactggaca acattttact actgagggaa 840
atagccaaaa aggcaaataa tggaaaaata gtaaactata agtaaagtgt gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaatgt 960
attttaaaat aaaaatttaa ttctggtttt tctgattaga gtgcmaaagt gagaaaagt 1020
caatactctt gaatgtagaa ttgaaaatgc attagggaaa acttaataaa aattattacc 1080
agttatttgg aagatctgac ccatatagta tcacaaatct gtagtagcat gggg 1134
```

<210> 147

<211> 1486

<212> DNA

<213> Homo sapiens

<400> 147

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gcggacgcgt ggggggcggg gtgtcgtttc ctttcgctga tgcaagagcc tagtgcggtg 60
```

```
gtgggagagg tatcggcagg ggcagcgtg cgcgggggc ctggggctga cccgtctgac 120
ttcccgtccg tgccgagccc actcgagccg cagccatgtc tggggacgag atgatttttg 180
atcctactat gagcaagaag aaaaagaaga agaagaagcc ttttatgtta gatgaggaag 240
gggataccca aacagaggaa acccagcctt cagaaacaaa agaagtggag ccagagccaa 300
ctgaggacaa ggatttgga gctgatgaag aggacactag gaaaaaagat gcttctgatg 360
atctagatga cttgaacttc tttaatcaaa agaaaaagaa gaaaaaaact aaaaagatat 420
ttgatattga tgaagctgaa gaaggtgtaa aggatcttaa gattgaaagt gatgttcaag 480
aaccaactga accagaggat gaccttgaca ttatgcttgg caataaaaag aagaaaaaga 540
agaatgttaa gttcccagat gaggatgaaa tactagagaa agatgaagct ctagaagatg 600
aagacaacaa aaaagatgat ggtatctcat tcagtaatca gacaggccct gcttgggcag 660
gctcagaaag agactacaca tacgaggagc tgctgaatcg agtgttcaac atcatgaggg 720
aaaagaatcc agatatggtt gctggggaga aaaggaaatt tgtcatgaaa cctccacaag 780
tcgtccgagt aggaaccaag aaaacttctt ttgtcaactt tacagatatc tgtaaactat 840
tacatcgtca gcccaaacat ctcttgcac ttttgttggc tgaattgggt acaagtgggt 900
ctatagatgg taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa 960
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gttctgttgc cagtatcaaa accggcttcc aggctgtcac gggcaagcga gcacagctcc 1140
gtgccaaagc taactaattt gctaatact gattttgcaa agcttgttgt ggagatgtgg 1200
ctggacaggt ttgccatcag agtggatata ccgttgtatt aaaaacaaga taaaaaagct 1260
gccaaagatt ttggcgagt gttggtctga agtccttgca agacgctgat gctcaagctg 1320
ttgacatact cattgcctac tttaacacct gtcagagaaa cgtgatattg ggtaaggagg 1380
tgctttttta aaatcgttca tagacttctg taaaatgcaa gataaattaa agttattata 1440
acagtataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486
```

<210> 148

<211> 153

<212> DNA

<213> Homo sapiens

<400> 148

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cgcctgtgca gcgcaagatc gaggtctgct cggcagagga ctcccttcaca ggcttcgtcc 60
ggaccctgta ctttgcctga acctacctga aggagtgccca aggctgagcg gccaggcctc 120
cagaacatgg agctggcgcc tgtgcagcgc aag 153
```

<210> 149

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (870)

<223> n equals a,t,g, or c

<400> 149

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acgaagggca aagntggtgt caccncggtg cgccgtctag actagtggat cccggctcag 60
gattcgcacg tgctcctctg tctcagtatg gcgctgtcct gggttcttac agtcctgagc 120
ctcctacctc tgctggaagc ccagatccca ttgtgtgcca acctagtacc ggtgcccac 180
accaacgcca ccctggaccr gatcactggc aagtggtttt atatcgcatc ggcctttcga 240
aacgaggagt acaataagtc ggttcaggag atccaagcaa ccttctttta cttcaccccc 300
aacaagacag aggacacgat ctttctcaga gagtaccaga cccgacagga ccagtgcac 360
tataacacca cctacctgaa tgtccagcgg gaaaatggga ccatctccag atacgtggga 420
ggccaagagc atttcgctca cttgctgac ctcagggaca ccaagaccta catgcttgct 480
tttgacgtga acgatgagaa gaactggggg ctgtctgtct atgctgacaa gccagagacg 540
accaaggagc aactgggaga gttctacgaa gctctcgact gcttgcgcat tccaagtca 600
gatgtcgtgt acaccgattg gaaaaaggat aagtgtgagc cactggagaa gcagcacgag 660
aaggagagga aacaggagga gggggaatcc tagcaggaca cagccttgga tcaggacaga 720
gacttggggc catcctgccc ctccaaccgc acatgtgtac ctcagctttt tccctcactt 780
gcatcaataa agcttctgtg tttggaacag ctaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
actcgagggg gggcccgkaa cccaatcgcn tgatattatt ag 882
```

<210> 150

<211> 1508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<400> 150

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ctaaggaggg gtgaaccggc ccaggctcga aacggagcag gtcaaaactc ccgtgctgag 60
gtgggaggat cgcttgagcc caggagttct gggctgtagt gcgctatgcc gatcgggtgt 120
ccgcantcta gccttgcaa cagtgaaga ctgntcaaa aacagcaaca garagcagga 180
cgtgagactt ctacctgtc actcagaatc atttctgcac caaccatggc cacgtttgtg 240
gagctcagta ccaaagccaa gatgccatt gtgggcctgg gcaacttgaa gtctcctctc 300
ggcaaagtga aagaagcagt gaaggtggcc attgatgcag gatatcggca cattgactgt 360
gcctatgtct atcagaatga acatgaagtg ggggaagcca tccaagagaa gatccaagag 420
aaggctgtga agcgggagga cctgttcac ctcagcaagt tgtggccac tttctttgag 480
agacccttg tgaggaaagc ctttgagaag accctcaagg acctgaagct gagctatctg 540
gacgtctatc ttattcactg gccacaggga ttcaagtctg gggatgacct tttcccaaaa 600
gatgataaag gtaatgcat cggtggaaaa gcaacgttct tggatgcctg ggaggccatg 660
gaggagctgg tggatgagg gctggtgaaa gcccttgggg tctccaattt cagccacttc 720
cagatcgaga agctcttgaa caaacctgga ctgaaatata aaccagtgc taaccaggtt 780
gagtgtcacc catacctcac gcaggagaaa ctgatccagt actgccactc caagggcatc 840
```

```

accggttacgg cctacagccc cctgggctct ccgatagac cttgggcaa gccagaagac 900
ccttccctgc tggaggatcc caagattaag gagattgctg caaagcacia aaaaaccgca 960
gccaggttc tgatccggtt ccataatccag aggaatgtga ttgtcatccc caagtctgtg 1020
acaccagcac gcattgttga gaacattcag gtctttgact ttaaattgag tgatgaggag 1080
atggcaacca tactcagctt caacagaaac tggagggcct gtaacgtgtt gcaatcstct 1140
catttggaag actatccctt cgatgcagaa tattgagggt gaatctcctg gtgagattat 1200
acaggagatt ctctttcttc gctgaagtgt gactacctcc actcatgtcc cattttagcc 1260
aagcttattt aagatcacag tgaacttagt cctgttatag acgagaatcg aggtgctgtt 1320
ttagacattt atttctgtat gttcaactag gatcagaata tcacagaaaa gcatggcttg 1380
aataaggaaa tgacaatttt ttccacttat ctgatcagaa caaatgttta ttaagcatca 1440
gaaactctgc caacactgag gatgtaaaga tcaataaaaa aaataataat cataaaaaaa 1500
aaaaaaa 1508

```

<210> 151

<211> 1232

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1217)

<223> n equals a,t,g, or c

<400> 151

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naactgngct agcatgcccc gccacagag agcctccact agagtgatgc taagtggaaa 60
tgtgagggtgc agctgccaca gagggccccc accagggaaa tgtctagtgt ctagtggatc 120
caggccacag gagagagtgc cttgtggagc gctgggagca ggacctgacc accaccagga 180
ctccagcctg ggtgacaggg tgaacgccat ctcaaaaaat aaaaattaaa aaataaaaaa 240
agaacctgga tctcaattta atttttcata ttcttgcaat gaaatggact tgaggaagct 300
aagatcatag ctagaaatac agataattcc acagcacatc tctagcaaat ttagcctatt 360
cctattctct agcctattcc ttaccacctg taatcttgac catatacctt ggagttgaat 420
attgttttca tactgctgtg gtttgaatgt tccctccaac actcatgttg agacttaatc 480
cctaagtgtg caatactgaa aggtggggcc tttgagatgt gattggatcg taaggctgtg 540
ccttcattca tgggttaatg gattaatggg ttatcacagg aatgggactg gtggctttat 600
aagaagagga aaagagaact gagctagcat gccagcccc cagagagcct ccactagagt 660
gatgctaagt ggaaatgtga ggtgcagctg ccacagaggg cccccaccag ggaaatgtct 720

```



```

agtgtctagt ggatccaggc cacaggagag agtgccttgt ggagcgctgg gagcaggacc 780
tgaccaccac caggaccca gaactgtgga gtcagtggca gcatgcagcg ccccttgagg 840
aaagcttttag gcaccagcct gcaaccatt cgagcagcca cgtaggctgc acccagcaaa 900
gccacaggca cggggctacc tgaggccttg ggggccaat ccctgctcca gtgtgtccgt 960
gaggcagcac acgaagtcaa aagagattat tctcttccca cagatacctt ttctctccca 1020
tgacccttta acagcatctg cttcattccc ctcaccttcc caggctgac tgaggtaaac 1080
tttgaagtaa aataaaagct gtgtttgagc atcaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaaaaaaa aangggnggc cgttttaag ga 1232

```

<210> 152

<211> 999

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (917)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<400> 152

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gcgcagctcc gccggcgctt ggtcccagcg cccgcggcgc cgcgtccccg gcccaacat 60
ggcrtctccc gcggccggct gcgtggtgat cgttggcagt ggagtcattg ggygaagctg 120
ggccatgctg tttgccagtg gaggcttcca ggtgaaactc tatgacattg agcaacagca 180
gataaggaay gccctggaaa acatcagaaa ggagatgaag ttgctggagc aggcagggttc 240
tctgaaaggc tccctgagtg tggaagagca gctgtcactc atcagtgggt gtcccaatat 300
ccaagaagca gtagaggggyg ccatgcwcat ycwgtgaatc cgccatacta catcccgtg 360
gttgagctgg tccccacccc ggagacggcc cctacgacag tggacagaac ccacgccctg 420
atgaagaaga ttggacagtg ccccatgcga gtccagaagg aggtggccgg cttcgttctg 480
aaccgcctgc aatatgcaat catcagcgag gcctggcggc tagtggagga aggaatcgtg 540
tctcctagtg acctggacct tgtcatgtca gaagggttg gcatgcggtg tgcattcatt 600
ggacccttg aaaccatgca tctcaatgca gaaggtatgt taagctactg cgacagatac 660
agcgaaggca taaaacatgt cctacagact tttggaccca ttccagagtt ttccagggcc 720
actgctgaga aggttaacca ggacatgtgc atgaagggtc ctgatgaccc ggagcactta 780
gctgccagga ggcagtggag ggacgagtgc ctcagagac tcgccaagtt gaaragtaaa 840
gtgcagmyaa sctggaratt tccacctttt cttttcagct tgattgcatt tgactatatt 900
ttacagccag tgattgnagt ttcattgtaa tatgtggcaa aatatttttg naattatttt 960
ctaataccctt tcttaagtac tctggggccc tgcanttat 999

```

<210> 153

<211> 1212

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (794)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1047)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1176)

<223> n equals a,t,g, or c

<400> 153

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cacgcccacc tctctcctgg agcgctgggc cttcgctggc cgcaccggca gccatgagct 60
cggagatgga gccgctgctc tgggcctgga gctattttag gcgcaggaag ttccagctct 120
ggccgatcta tgcacgcaga tgctggagaa gtcccttat gaccaggcgg ctgctgcaga 180
tgggcattta taacggccag ctttttaaca atctggggct gtgttgcttc tatgcccagc 240
agtatgatat gactctgacc tcatttgaac gtgccctttc tttggctgaa aatgaagaag 300
aggcagctga tgtctggtac aacttgggac atgtagctgt gggaatagga gatacaaatt 360
tggcccatca gtgcttcagg ctggctctgg tcaacaacaa caaccacgcc gaggcctaca 420
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aaactgcac atcattagca ccccatatgt atgaaccgca ttttaatttt gcaacaatct 540
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cagggtgtgg tagcatgtgc ctatagtccc agcttacttg gggaggtggg aggtggggag 1140
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aaacctattt tt 1212
```

<210> 154

<211> 2361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<400> 154

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ggagccttg cttgctgctc tacctccacc atgccaagtg gtcccaggct gcacccatgg 60
cagaaggagg agggcagaat catcacgaag gntgaagttc atggatgtct atcagcgcac 120
actgccatcc aatcgagacc ctggtggaca tcttccagga gtaccctgat gagatcgagt 180
acatcttcaa gccatcctgt gtgcccctga tgcgatgcgg gggctgctgc aatgacgagg 240
gcctggagtg tgtgcccact gaggagtcca acatcaccat gcagattatg cggatcaaac 300
ctcaccaagg ccagcacata ggagagatga gcttcctaca gcacaacaaa tgtgaatgca 360
gaccaaagaa agatagagca agacaagaaa aatgtgacaa gccgaggcgg tgagccgkgc 420
aggaggaagg agcctccctc aggggttctcg gaaccagatc tctcaccagg aaagactgat 480
acagaacgat cgatacagaa accacgctgc cgccaccaca ccatcaccat cgacagaaca 540
gtccttaatc cagaaacctg aaatgaagga agaggagact ctgcgagag cactttgggt 600
ccggagggcg agactccggc ggaagcattc ccgggcggtt gaccagcac ggtccctctt 660
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gagttttatt tctgggattc ctgtagacac acccaccac atacatacat ttatatatat 780
atatattata tatatataaa aataaatatc tctattttat atatataaaa tatatatatt 840
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gcagtttttc gagatattcc gtagtacata tttattttta aacaacgaca aagaaatata 2280
gatatatctt aaaaaaaaaa aagcattttg tattaaagaa ttttaattctg atctcaaaaa 2340
aaaaaaaaa aaaaaggggg g 2361
```

<210> 155

<211> 1831

<212> DNA

<213> Homo sapiens

<400> 155

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aaaggtgaga atgcacaaa acagctctgg gttgggtacc acagttttgc ttggtagaaa 60
gaaaccagtg taggaaagga gacgccacca gacatcttca acagacaaga ttctttctgc 120
ctttttcaaa agatgctctc tgcagcagta agactataga tagagttgat tggaatatca 180
tgtgaccag tatgctactg ctaggcataa ttatcaaaaa ttcatttttc tcattaaata 240
ttgttaattg ctgcgccacat aaagagaagc tagagctcac cagtcttggt ggtgtcctag 300
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cacagtggat ctggggcctc tgatactttg yttcckaaaa cagccccag ttttcggctt 480
gcctatgaga tgatgttcat gtgcttcctt gaaaccaggt ggaaagaaa ggaagaatt 540
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gtgattttat tcttctatag tatttttttc ctcatcttaa ctgagaggag aaaataatac 780
tcttttgcaa tctccttagg ttctccctt cccctgggtg ccccttctag tgtcttaaga 840
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attaagccat aacagtttca tgctgtggaa agaggggtgaa aagggttcatt ttaagagatt 1680
atataatatg aactttcaca tttactgtga aatgtctaac tttgccagtg cttcagcaag 1740
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gtggaacttt gggagagggg acagttgttg g 1831
```

<210> 156

<211> 1186

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1045)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1078)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1134)

<223> n equals a,t,g, or c

<400> 156

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gttccggggc gcgaccctga ccctgcagcg taccgggaag cgaaaccggc cggatggggc 180
gctgagcccg aatcggggcac tgtgtggagc cccctggagc tgagatcagg atgttccgct 240
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cagatggcaa catgccaggg accaggcctg ccagccgccc gatgcagcag gctggagctg 420
tctccccctt tgggatgctg ggaatgtcgg gtggtttcat ggacatgttt gggatgatga 480
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cttcactgt catctcctac tccaatacgg gtgatgggtc ccccaaggct taccaagaga 600
catcagagat gcgctcggca ccaggcggga tccgggagac acggaggact gttcgggatt 660
cagacagtgg actggagcag atgtccattg ggcatcacat ccgggacagg gctcacatcc 720
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ctgagaaatc aatcccctga ataanttttc cctctccgat tccccatccc ccaatttnat 1080
aattaaattt aaacagggaa agccggggcc ccaactgnnt ccttgggggt cttnagggga 1140
gaacttttaa cgggaccttt ttccctaact ttttccttct ttaaaa 1186
```

<210> 157

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 157

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ctgaactgga tgatacgaat gatgtcagat ttggaatcta acatcgtggc tgtggagagg 120
gtcaaggagt actccaagac agagacagag gcgccttggg tgggtggaagg cagccgccct 180
cccgaagggt ggccccacg tggggaggtg gagttccgga attattctgt gcgctaccgg 240
ccgggcctag acctggtgct gagagacctg agtctgcatg tgcacggtgg cgaraagggtg 300
gggatcgtgg gccgcactgg ggctggcaak tcttccatga ccytttgctt gttccgcata 360
ctggaggcgg caaagggtga aatccgcatt gatggcctca atgtggcaga catcggcctc 420
catgacctgc gctctcagct gaccatcatc ccgcangacc ccacccgtgt ctcggggacc 480
ctgcgcatga acctggacct ctccggcagc tactcagagg aggacatttg gtgggctttg 540
gagctgtccc acctgcacac gtttgtgagc tccagccgg cagcctggga cttccagtgc 600
```

```
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ctgctccgca agascgcat cctggtttta gacgaggcca cagctgccat cgacctggag 720
actgacaacc tcatccaggc taccatccgc acccagtttg atacctgcac tgtcctgacc 780
atcgcacacc ggcttaacac tatcatggac tacaccaggg tcctggtcct ggacaaagga 840
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agctgctggg tcaggccacc cctaggaact cagtcctgta ctctggggtg ctgcctgaat 1380
ccattaaaaa tgggagtact gatgaaataa aactacatgg tcaacagtaa aaaaaawaa 1440
aaaaaaaaa 1448
```

<210> 158

<211> 1004

<212> DNA

<213> Homo sapiens

<400> 158

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ggcagagctc cagactactt taaatgtctc tsctctgact gaattgaagg aattgtaagt 60
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cttcctacat aaattaataa agtctgtcta tatttaagggt ttctgggagt agttttgtct 180
atattttaatc catagatgtg ctcttagtca tcagtcttat ttcagtaaaa ccactcttct 240
ggccaaatct ctaacacggt ttttacttca gtagtgaggg caatgagaag ctttattaag 300
aaagatccta tttaaagggc taatttggtt ttgaaagcat gctgatataa agtccagtat 360
ttgaggatat aaaggagatg tgcactgagc tgtgctgatg ttcagcattt attatacttt 420
aatgggatag tgcttcttga ccattataga acaacaaact gtcaaagggt taatacagat 480
gacccagacc tgacattaaa tcctcttgat tagaaataat taaatgaatt atttattcat 540
ttctctcctc tgccaaatct acttagcccc acaaaaatgc cccagctcag ttaacatttt 600
tttggttttc actttaggta tctcttaggc aaatagagat ataaattgta ataggaaaca 660
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tccatgtgtt gtctctmact gatttagctt tttcttttct ttgaacaatt cggcatgaat 780
tgaaaccagg ttttctgtg gaaagttata gcttgattgg gagatagaag ttgaattgag 840
ttctttcttg caactcttag tgtttatatt tatatctcag taagacgagg ataccttcag 900
tttgaatctg cataatgttc actgccaaac tccttctcat ttaatgctta tggccttcac 960
atctctgtat aataaagatc aattatcagc tmaaaaaaaa waaa 1004
```

<210> 159

<211> 1509

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1420)

<223> n equals a,t,g, or c

<400> 159

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agagagagag actagttctc tcttactcct aggcctttcg gtttgcgcg cgggcaggaa 60
agcgtgcgtg cggctaagag agtgggcgct ctgcggccg ctgacgatgg aagaactgga 120
gcaaggcctg ttgatgcagc catgggcggt gctacagctt gcagagaact ccctcttggc 180
caaggttttt atcaccaagc agggctatgc cttgttggtt tcagatcttc aacagggtgtg 240
gcatgaacag gtggacacta gtgtgggtcag ccagcgagcc aaggagctga acaagcggct 300
cactgctcct cctgcagctt tcctctgtca tttggataat ctccctcgcc cattgttgaa 360
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tctacgggtg cgaagtgagc tctctggcct ccccttctat tggaaatttc actgcatgct 480
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attacagtgc caagtgaggg agctagcaac gktacttcat atgaaagacc tagagatcca 600
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tgtggaactt catgaacca atttcacttt ccttcactgg gttcccaccc cattgttgct 1500
tctgggatg 1509
```

<210> 160

<211> 2160

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 160

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tttgaaagca ctgcaaataa gaaatcctcc tcctcttctc caggaacccc tgcattctcag 120
ctttatccac agtctcgggg gctggttcca aagtaaagcc agcttctcct ctcccagggc 180
ggaaacagca tttgccttct gagagaagag actagcaaaa agctgcagag aggattcggc 240
ccaaactcag aactgttccc ctgaggagaa gcggtggcct ctttgcagat caaccaactt 300
aatctggttg aacgtgctgt tcctaactctg gcactcagcc cctctgggaa acatctttta 360
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ttccatgcac ctcagtaaga agtggaatct cctttgggac ctgctcagtg aggaaatctc 780
```

```

ttccaatttc tgcttctgaa tgattcaatg ttgggagcaa tagaaataac attccctttg 840
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aagaacaaaa cgctaagggt ggtagcctaa gctgattttc tgctggttac acgtgtctct 2100
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```

<210> 161

<211> 3609

<212> DNA

<213> Homo sapiens

<400> 161

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ctggaatcg aaaatgttaa catgcctgag sagattgtta ttcacgcact gcagtgtact 60
cactatgtaa tcctttggca acttgctaag ataactgaaa gcagctctac aaaggaggac 120
ttgctgcgtt taaagaaaca aatgagagta ttttgtcaga tatgtcaaca ttacctgacc 180
aacgtgaata ctactgttaa ggaacaggcc ttcactattc tgtgtgatat tttgatgac 240
ttcagccatc agattatgtc aggagggcgt gacatgttag agccattagt gtatacccct 300
gattcttcat tgcagtctga gttgctcagc tttattttgg atcatgtctt cattgaacag 360
gatgatgata ataatagtgc agatggtcag caagaggatg aagccagtaa aattgaagct 420
ctgcacaaga gaagaaattt acttgcacga ttttgtaaag taattgtata tactgtgtg 480
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<210> 162

<211> 1603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1600)

<223> n equals a,t,g, or c

<400> 162

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<210> 163

<211> 853

<212> DNA

<213> Homo sapiens

<400> 163

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<210> 164
<211> 1917
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1856)
<223> n equals a,t,g, or c

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<210> 165
<211> 2420

<212> DNA

<213> Homo sapiens

<400> 165

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<210> 166

<211> 2061

<212> DNA

<213> Homo sapiens

<400> 166

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<210> 167

<211> 2567

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

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<210> 168

<211> 2324

<212> DNA

<213> Homo sapiens

<400> 168

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<210> 169

<211> 1784

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1759)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1778)
<223> n equals a,t,g, or c

<400> 169

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tgaaatggtc cataacttag tggcaattga actggcttat atcaacacaa aacatccaga 180
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<210> 170
<211> 1296
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1276)
<223> n equals a,t,g, or c

<400> 170
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cctcggtcgc aagctgcgat gccgcagtgg ctcaagtgtt cctggccgag aacgactggg 180
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<210> 171
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (952)
<223> n equals a,t,g, or c

<400> 171

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caggaatttg ctgattaatt tatttttaat ggagtgaagt ataccatgca ccaaaataaa 1860
ctttactgtg tgtacctaaa aaaaaaaaaa aaaaaaa 1897

<210> 172

<211> 1723

<212> DNA

<213> Homo sapiens

<400> 172

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cgaccgsgg acacacagtg caggcgccca agccgcgccc gccagatcgg tgccgattcc 180
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<210> 173

<211> 1416

<212> DNA

<213> Homo sapiens

<400> 173

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<210> 174

<211> 1956

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 174

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aacaagacca caggaagggt atctgatggt gcaacagttt cagtacctag gatgggcttc 180
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gctaaaatac taccaccaca caatcatctt ttttttcctg aagaaagctt tttctttagc 1200
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gataaacttt ttattcataa accaggaagc aatgttcttt atagtgattc tcttggtgac 1320
atgcttgtag attaaatttg tgtaaaatcc cttggcaatt gggctcttta atataggacc 1380
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gttgaacata gcctttaagc atcattttaa ttttaaagga atggagtgtt tcagcctgtg 1560
gccagcact ggtcaagaaa acaagatggc aacatatatg ctttcagggt caaatgtgag 1620
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caaaactgtaa actgtcaggg tgataaaatg tttctcttga tgtttacatg cacaagcttt 1680
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atgggattct taagtgaacc tttctaaatg tggctcttgtt cacatgctcc acgtagctgt 1800
aacttcacat catcagcttg cagtttgtaa ttgactaaag cattccagtg tcctctttct 1860
agattgccag ctcatgacat ggtgcttata aagatttaat taaagtaaga atgaaataaa 1920
gtttttataa ttataaaaaa aaaaaaaaaa aaactc 1956

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<210> 175

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1689)

<223> n equals a,t,g, or c

<400> 175

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cacccccgta ttttgtaatg accatgagca atgtttttac tttttgtata atgggggtggg 120
gtggagtggg ggcttctgag agtcagcctg aggtcttttag aggaccagct attgtagcac 180
cttgatact tgaagtttaa tgctcagttg ggtcgggtgg cagttgactt ggtggctggc 240
atgttcagca gtgcctgggg ccctgtttct gggcagcctt tgaggatttt ctatgatatt 300
gaatgacagt ttttaagtggc aactcaggcc cagctcatgc ccttttttgc ctggacatgt 360
gctattttta ttcacttata tatcaattac ttgtaagggt taaactttca aacaggaagt 420
atattgggac aaaagggctc ttggggatta gatatccctt taatctgtga ccattgggca 480
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tttgttttgt tttgttttgt ttttaagaagt aggttgtttt cctgaaccgt aaacttgtat 660
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tacgtgtgtt ttttagagct tggttcttta aagatttgga gaagatatgt aaattaccaa 1560
ggcacttggt ttttctgttt tatatactaa taatcagggc ctaagttaaa taaaaatatg 1620
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aaaaaaaann

1689

<210> 176

<211> 1016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (928)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (970)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (992)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1001)

<223> n equals a,t,g, or c

<400> 176

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gagctgtgtc ttgaaggcaa aagaaaaaaa atttctacag tagtcttctt tgtttctagt 120
tgagctgcgt gcgtgaatgc ttattttctt ttgtttatga taatttcact taactttaaa 180
gacataatttg cacaaaacct ttgtttaaag atctgcaata ttatatatat aaatatatat 240
aagataagag aaactgtatg tgcgagggca ggagtatttt tgtattagaa gaggcctatt 300
aaaaaaaaaa gttgttttct gaactagaag aggaaaaaaa tggcaatttt tgagtgccaa 360
gtcagaaagt gtgtattacc ttgtaaagaa aaaaattaca aagcaggggt ttagagttat 420
ttatataaat gttgagattt tgcactattt ttaatatata atatgtcagt gcttgcttga 480
tggaacttct tcttgtgtct gttgagactt taaggagaa atgtcggaat ttcagagtcg 540
cctgacggca gaggggtgagc ccccgaggag tctgcagaga ggccttggcc aggagcggcg 600
ggctttcccg aggggccact gtccctgcag agtggatgct tctgcctagt gacaggttat 660
caccacgtta tatattccct accgaaggag acacctttc cccctgacc cagaacagcc 720
tttaaatac aagcaaaata ggaaagttaa ccacggaggc accgagttcc aggtagtgg 780
tttgcccttc ccaaaaatga aaataaactg ttaccgaagg aattagtttt tcctcttctt 840
ttttccaact gtgaagggtc ccgtggggtg gagcatgggtg cccctcaca gccgnacggc 900
tggtgcccgg gctaccaggg acatgccnga gggctcgatg acttgtctct gcagggcgct 960
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```

<210> 177
<211> 1364
<212> DNA
<213> Homo sapiens

<400> 177
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ctgcacaccc agaatctatt acagatcctg gcatgtagct gatgcataaa tttttgttga 180
atgaaagtct gtacattgta tttatgctat tgggtattgct atgacctgaa actaaaagga 240
gttggtgaaa agatttctta tggaaacagaa atatcccttt tgattaatat cacaatctcg 300
taaattgaga aaacaaawaa tatatactac tggagcattc atgtatagtt ggagattatg 360
actcatttat tgggtgtgtt ttggactcag aacaaagatg agggaaatatt ccttaaagct 420
ctgtattgaa ataacgaaaa gcagtcacat ttttaataata gaagcttcct agcttactct 480
ttctgtaatc ttcttttctt aaatgtaaga gagcctcata attatgaggc ttattactag 540
agtaaggctg tcaaaggcag caaaatgtct ttctgtttgg aagaataaca taaacttgac 600
atgtatggtg ggggacagaa ggtttcaaaa gtttaagaat ctgtgttgct ttaacaaata 660
gatgcttctc aaggasstta cgytagtggt tactctgtcc agtcagggtt ttttcttctt 720
taacttgggt tcatttctctg atggcacaca tgaagtttggt atcatatggt ttgactttag 780
ctatggctct tagctatggg gagcagcatc agcgacctgt gacatgtaaa ttaaaaatac 840
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accacttaa aaaccctttc tattacaggt cttcacattt aggccttaatg tgcttaattc 1260
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<210> 178
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<400> 178
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cggggtttca ccatgttggc caggctggtc ttgaacttct ggccccaagt catctgcctg 120
ctcagcctc ccaagggtgct gggattacaa gtgtgagcca ctgtgtacag nctttgtgtt 180
aacttacttt gaattagccc cttattccaa agctgcctcc tgaaaggasg cttcctaaaa 240
ggtgttgctt tggggtaaat aagaggtgct ggtgaagtga gactagcttg cgcactcttc 300

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tgccatgaag gaaactagct ccgcagacgt ttactaacc acagcagacc ccctccttga 360
ggaacccaga agggcagaga gcatcagatg aaatcaactg ctgagagagg gaagtgagtg 420
ctgtgttggc accgctgcc aactccttg agaatgagca tcgtgtgcc cttatccact 480
gcttgccgac ttcagtagca agagcctcca gaatgctcat ggataaacat catctttgtg 540
gccacacatt gttttatgag ctgagtcatc agactggctg gctccttaaa tgctgctgtg 600
tgattctcta ggcagcagaa aacaaggaga gaagatatga agtgtatctc atcgagcttt 660
gtagagggcc agtatcgatt caccaaaggat gatgggggat ttaccattat ggagtttgct 720
tgtgataaaa aattattgat
740

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<210> 179

<211> 1410

<212> DNA

<213> Homo sapiens

<400> 179

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tacaactcac attagagaac atcctggctt ttgagcactt ttcaaacaat caagttgact 180
cacgtgggtc ctgaggcctg cagcacgtcg gatgctaccc cactatgaca gaggattgtg 240
gtcacaaactt gatggctgcy aagacctacc ctccgttttt ctactagata ggaggatggt 300
agaagtgttg ctgctgtcat aacatccaga gcyttgtcgt atttggcaca cagcagaggc 360
ccagatatta gaaaggctct attccaataa actatgagga ctgccttatg gatgatttaa 420
gtgtctcact aaagcatgaa atgtgaattt ttattgttgt acatacgatt taaggtattt 480
aaagtatttt cttctctgtg agaaggttta ttgttaatac aaggtataat aaaattatcg 540
caaccctctc ccttccagta taaccagctg aagttgcaga tgtagatat ttttcataaa 600
caagttcgag tcaaagttga aaattcatag taagattgat atctataaaa tagatataaa 660
tttttaagag aaagaattta gtattatcaa agggataaag aaaaaaatac tatttaagat 720
gtgaaaatta cagtccaaaa tactgttctt tccaggctat gtataaaata catagtgaat 780
attgtttagt gatattacat ttatttatcc agaaaactgt gatttcagga gaacctaaca 840
tgctggtgaa tttttcaac ttttccctc actaattggt acttttaaaa acataacata 900
aattttttga agtctttaat aaataaccca taattgaagt gtataatata aaaaatttta 960
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cacatatttg aagggtcttt ctcaaagaaa tattaagcat gttttgttgc tcagtgtttt 1260
tgtgaattgc ttggttgtaa ttaaattctg agcctgatat tgatatggtt ttaagaagca 1320
gttgtagcaa gtgaaattat ttggagatt ataataaata tatacattca aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa
1410

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<210> 180

<211> 1493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1328)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1484)
<223> n equals a,t,g, or c

<400> 180

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ggtgaaggaa aagatcatgg cggatgatcaa ggagtggggc actggccggg acaccctgcg 180
ctgcttggcc ctggccaccc gggacacccc cccgaagcga gaggaaatgg tcctggatga 240
ctctgccagg ttcctggagt atgagacgga cctgacattc gtgggtgtag tgggcatgct 300
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catctttggg gagaacgagg aggtggccga tcgcgcctac acgggccgag agttcgacga 480
cctgccccctg gctgaacagc gggaagcctg ccgacgtgcc tgctgcttcg cccgtgtgga 540
gccctcgcac aagtccaaga ttgtggagta cctgcagtcg tacgatgaga tcacagccat 600
gacaggtgat ggcgtcaatg acgccccctg cctgaagaag ctgagattgg cattgccatg 660
ggatctggca ctgccgtggc caagactgcc tctgagatgg tgctggctga cgacaacttc 720
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gggctcccag ccacagccct gggcttcaac ccaccagacc tggacatcat ggaccgcccc 960
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gatgggcctc atgtcaacta cagccagctg actcacttca tgcagtgcac cgaggacaac 1140
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gttgggttaa tggttcctcc aagattttca attggccagt taantggggg ttc 1493
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<210> 181
<211> 2040
<212> DNA
<213> Homo sapiens

<400> 181
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agttgggggc tacatgctct atgtagccac aaccttcaag tatgtgtttg acttccatgc 180
agaggatgtg ttctggtgca cggcagacat tggttggatc actggtcatt cctacgtcac 240
ctatgggcca ctggccaatg gtgccaccag tgttttgttt gaggggattc ccacatatcc 300
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accacagcc atccgtctgc tcatgaagtt tggagatgag cctgtcacca agcatagccg 420
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gacaggtggc cacatgttga ctcccccttc tggtgccaca cccatgaaac ccggttctgc 600
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ctatgggaac cacgaacgct ttgagacaac ctactttaag aagtttctctg gatactatgt 780
tacaggagat ggctgccagc gggaccagga tggctattac tggatcactg gcaggattga 840
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<210> 182
<211> 969
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 182

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tctcctgnac tttggtcacg ctagcatctt ctgctgatcc tgaaattgta ccagcggcaa 180
gatgtggcct ggaaggggac tttaagttct ccacaactgc cagcaatcct tccaccaggc 240
aaaacacatc atctaaggaa aagaagttag gtttgcttag ggcgtggcag ctccggataa 300
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acacaggcca gcgctctgac atgcagaagg tgaccctggg cctgcttggt ttcctggcag 420
gctttcctgt cctggacgcc aatgacctag aagataaaaa cagtcctttc tactatgact 480
ggcacagcct ccaggttggc gggctcatct gcgctggggg tctgtgcgcc atgggcatca 540
tcatcgctcat gagtgaagtgg aggagctcgg gggagcaggc gggccggggc tggggctccc 600
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aaaaaaaga                                     969
```

<210> 183

<211> 1452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1441)

<223> n equals a,t,g, or c

<400> 183

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gtcgaaccac gcgtccnncc acggtccggt ggggagaagc cgggaggact ggggtgcgcct 60
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gcagggatcg gaagccggtt ggggtgtgag aggttttctc gctctagga gattcttcaa 120
gcaatcacta tgtcaacaga cacagggtgtt tcccttcctt catatgagga agatcaggga 180
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gcagcaattg ttgcatatgg attatataaa ctgaagagca ggggaaatac taaaatgtcc 300
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naaaaaaaaa aa                                     1452

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<210> 184

<211> 2119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2090)

<223> n equals a,t,g, or c

<400> 184

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atggagttga agctctgact gaaagtgaac tttgtcgctt atggactgaa agttttattgc 840
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<210> 185

<211> 1325

<212> DNA

<213> Homo sapiens

<220>

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<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1319)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<400> 185

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aaaaa 1325
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<210> 186

<211> 433

<212> DNA

<213> Homo sapiens

<400> 186

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agtccagtg gcagcaggaa agtcccttt ctcaagaatg cccatctgtg aacacatgg 180
agagtctcca acctgttccc agatgtccaa cctggctctg ggcactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttgcccc gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgtgg gcattggag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaa aaa 433
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<210> 187

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (803)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (853)

<223> n equals a,t,g, or c

<400> 187

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gcggtttacg agtgacttg ctggagcctc aggggcgggc actggcacgg aacacacct 180
gaggccagcc ctggctgccc aggcggagct gcctcttctc ccgcgggttg gtggacccgc 240
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aatgcccgaag tgactgacat caactccaag ggattggaat tgaggaagac tggtactaca 420
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<210> 188

<211> 833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (798)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (803)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (809)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<400> 188

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cagtnagact ctgtctcaaa ataaataaat aagtaaataag aacctcctga gctaccctgg 120
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gctggcaaaa cttctagcta gcaacctatg tctagcacat gggtaactaa ccatagcgag 240
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aatctcacat ggacggaacg tctgtatttc cctctcctgc acgaatcact catcattctt 360
ggagggcttc tctgcattcc tccttttctt ctctcccttc ccctgccttt tgtcttttct 420
aaagagtctg aactccgatt tccatgctct cctgctacat taataagcaa aacctgcttg 480

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tgtgtacggt tctttactgg aaacatgact ttttgtttct gtattggttt tactgtcatc 540
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gtatgccaaag cacctcggtt gaaaggcttg actcaaacca gaagtcttgc tgggaattcgt 660
ctctgaacac ttgaaaaaca gaaaccctga gccgcaacaa acatgcctct gtgtgtcggg 720
attgcctttg tctctgcttc catgtggctt ttccttttgt agctatgctt agtgacataa 780
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<210> 189

<211> 2211

<212> DNA

<213> Homo sapiens

<400> 189

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<210> 190
<211> 1659
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1582)
<223> n equals a,t,g, or c

<400> 190
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<210> 191
<211> 3894
<212> DNA
<213> Homo sapiens

<400> 191
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<210> 192

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<400> 192

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<210> 193

<211> 3131

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3128)

<223> n equals a,t,g, or c

<400> 193

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gataaggatt atgattcctt tgttttacct ctgttgagg acaacaacc atgctatata 360
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<210> 194

<211> 2058

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2045)

<223> n equals a,t,g, or c

<400> 194

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<210> 195

<211> 831

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (793)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (806)

<223> n equals a,t,g, or c

<400> 195

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ccgccgcctc ctgggaagag aggaagcggg agaggagccc acgtcgcctg tcaccaata 180
tctccagccg cgcagtcctg aagagtgtaa gatgttcgcc tgcgccaagc tcgcctgcac 240
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<210> 196

<211> 961

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (923)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (947)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (953)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (954)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (960)

<223> n equals a,t,g, or c

<400> 196

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tatgtatata tgcttaacta cacccgagga agctgtagag ttagaaaaac atgaaccatt 180
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<210> 197

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<400> 197
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cgaccctncc cacaccctan ggtaccccag tcgtatcctc tgtccgcatg tgtggccagg 540
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canaaa 606

<210> 198
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 198
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<210> 199
<211> 1061
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1035)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c

<400> 199
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<210> 200
<211> 1359
<212> DNA
<213> Homo sapiens

<220>
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<222> (1005)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1343)
<223> n equals a,t,g, or c

<220>
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<400> 200
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aagcgtgttg tgctcctaca gactgcaacc ctgctagggg tccttctcct gggttatggc 420
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<210> 201
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>

<221> misc feature
 <222> (179)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (724)
 <223> n equals a,t,g, or c

<400> 201
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<210> 202
 <211> 2714
 <212> DNA
 <213> Homo sapiens

<400> 202
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<210> 203

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<400> 203

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ggaaggaaa acccaaggga gtggataact tggccctgga accctgacct tgtgtctcct 360
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gg 422

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<210> 204

<211> 2339

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (91)
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<221> misc feature
<222> (125)
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<221> misc feature
<222> (199)
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<220>
<221> misc feature
<222> (2238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2321)
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<220>
<221> misc feature
<222> (2329)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2334)

<223> n equals a,t,g, or c

<400> 204

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<210> 205

<211> 1655

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (1548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1643)
<223> n equals a,t,g, or c

<400> 205

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<210> 206

<211> 5145

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5143)

<223> n equals a,t,g, or c

<400> 206

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<210> 207

<211> 487

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 207

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<211> 2296

<212> DNA

<213> Homo sapiens

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<222> (202)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2285)
<223> n equals a,t,g, or c

<400> 208

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<210> 209
<211> 625
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<400> 209
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<210> 210
<211> 1551
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (760)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1546)
<223> n equals a,t,g, or c

<400> 210
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<210> 211

<211> 1011

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

<400> 211

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<210> 212

<211> 1639

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1630)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1637)

<223> n equals a,t,g, or c

<400> 212

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<210> 213

<211> 2127

<212> DNA

<213> Homo sapiens

<400> 213

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<210> 214

<211> 1166

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1163)

<223> n equals a,t,g, or c

<400> 214

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aacggggggg gcccggaacc canttc 1166

<210> 215

<211> 3323

<212> DNA

<213> Homo sapiens

<400> 215

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ggggcccggt acccaattcg ccc 3323
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<210> 216

<211> 1408

<212> DNA

<213> Homo sapiens

<400> 216

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<210> 217

<211> 2111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2104)

<223> n equals a,t,g, or c

<400> 217

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ananaaaaaa a                                     2111
```

<210> 218

<211> 2493

<212> DNA

<213> Homo sapiens

<400> 218

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<210> 219

<211> 1259

<212> DNA

<213> Homo sapiens

<400> 219

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<210> 220

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (920)

<223> n equals a,t,g, or c

<400> 220

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gctctgaaat gggttccta cacagagtgg gttttggcaa gggttggaat gaggggaggt 1800
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<210> 221

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<400> 221

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tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
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cttntct 1267
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<210> 222

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (702)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (710)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (754)

<223> n equals a,t,g, or c

<400> 222

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gcaggataaa agaaatatga ggcccgaatt ggaacagcag catggagggt cccagttggg 180
tcccaacagt gctcccatg ggcaagacaa tggaaacttc cacaagcagg gaaggcaaac 240
cctctttatt gaacattagc cagcccagcc cagacccag ggctgctaag gacacagaga 300
ttctccatgg gaaggggact gccaaagcat aggaaataga agattcagg gcctgarctc 360
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tggaagctgc aagcaaaagg gatgggacta gggctgagtt gtgtctycat tttgataagg 420
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tgcacagtct ttctgtgcat ttccccaagc tggggccctct tctactctca tttaggcctg 660
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ttgccttgga cataaattga agggcactcc tttt 754

<210> 223

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1247)

<223> n equals a,t,g, or c

<400> 223

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gggactgaca gagcaggaca tcattgacct gcccgcctctg ttcaagatgg acgaggacca 180
ccgtgccaga gccttcttcc caaacatggt gaacatgatc gtgctggaca aggacctggg 240
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tggcctcctg gagcccctgg gcctcgaatg caccctcatc gacgacattt ctgcctacca 360
caaatttctg ggggaagtcc actgtggcac caacgtccgc aggaagccct tcaccttcaa 420
gtggtggcac atggtgccct gaccctccag gggccctggc gtttgccctc ttmgcttart 480
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aaccatgtgc ccaaactgct ccccaaaraa ttttgagtct ctaatctgac actgaatgag 780
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<210> 224

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 224

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gcatcaggca agtggctgga tggattcga aaatggratt acaatgctgc aggattcaat 120
aaactggggg taatgcgaga tgatacaata tacgaggatg aagatgtaaa agaagccata 180
agaagacttc ctgagaacct ttataatgac aggatgtttc gcattaagag ggcactggac 240
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gcaaagaagt aatcatgtag ttgaagtctg tggatgcagc tggtatgaag atgggttaaac 420
ttgaaacaaa caattttaag aattatttgg tctgaagatg ttttacttta aataaatgtc 480
tattgtaatg gcwnnaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggnggc cgnt 584

<210> 225

<211> 3449

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3443)

<223> n equals a,t,g, or c

<400> 225

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gggaagcccc cattcactag aagcactgag agatgcgggc ccctcgcagg gtctgaattt 240
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cccggcggtg atctgcatcc tgacatttgg agctgccatc ttcttgtggc tgatcaccag 360
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agcacggaag ggggtttccc agaagaacaa tgacctaaac agttgctgct tctcagatgc 480
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aaaaaaaaa aaangggggg ccnttttaa 3449

<210> 226

<211> 1866

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1859)

<223> n equals a,t,g, or c

<400> 226

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catcagcaag gaagacctcg cccgggccac attggtcacc atcaccaaca acattggctc 180
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aggacaactg aaagctctgt ttttggaaca tgagggttat tttggagccg ttggggcact 360
gttggaactg ttcaaaatga ctgatgayaa gtagagacga gcagtggagg aaacagcctc 420
ccaaaaggac agagaactaa aaaattgctg ctggagaagg tgaaagtcgc tttgggacgg 480
aagccaagcc attatggcag atgaacctgc tggatttgta aataatttaa aatccttcca 540
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tatgctaggt tatattaagt tgaaatagtc tgtgattaaa tgtcctcatc catgcacaga 1260
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aagtcttgaa gaagttgatg ttaattgaag aattcacttg tctggttgaa ataaagcctg 1800
tttctgttgt gaaaaaaaaa aaaaaaact sgtggggggc ccggacccaa ttgcctang 1860
ggagcc 1866

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<210> 227

<211> 1064

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<400> 227

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ctgcggcaaa gagatgagct tattgaggag aagcagcgca tgcagcagaa aatagacacc 180
atgacaaaag aggtgtttga cctccaggng acacttcttt ggaaagataa aaaaattgrg 240
aaacatggct tagttataat ccccgatggc actcccaatg gtgatgtcag tcatgaacca 300
gtggctggag ccatcactgt tgtgtctcag gaagctgctc aggtcttga gtcagcagga 360
gaagggccat tagatgtaag gctacgaaaa cttgctggag agaaggaaga actactgtca 420
cagattagaa aactgaagct tcagttagag gaggaacgac agaaatgctc caggaatgat 480
ggcacagtgg gtgacctggc aggactgcag aatggctcag acttgcagtt catcgaaatg 540
cagagagatg ccaatagaca aattagcgaa taaaaattta agctttcaaa agcagaacag 600
gatataacta ccttgagca aagtattagc cggcttgagg gacaggttct gagatataaa 660
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caacgagagt tacgaacagc actggacaag attgaggaga tggagatgac caacagccac 780
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<210> 228

<211> 373

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 228

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ggcccagggc cctgcggggc accccccac catggcccag ggccctgcgg gccaccccc 180
caccatggtc cagggccctg cggggccacc cctggccatg gccagggcc ctgcggggcca 240
ccccccacc atgttccagg gccctgcggg cctccccctg gccatggccc aggtcaccca 300
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gagaaattgc cca 373
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<210> 229

<211> 2844

<212> DNA

<213> Homo sapiens

<400> 229

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gtcctgggag cacagcagaa gtgtttttct ttttttaatg aacaagtaaa ccatacaaat 180
tgtcaacatg ggacggagat ctacatcatc caccaagagt ggaaaattta tgaaccccc 240
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tcctggtgcc cagccaccct ctatcctaaa gaaaacctca gcctatggac ctccaactcg 720
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```

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cacagcaacc atcagtgcc agccacagat cactaatccc aaggcagaga ttactcgatt 1920
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gatactctgt gttactgata atatgtaaac ataataccta ttttatggga caggaaaaag 2760
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<210> 230

<211> 1798

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1798)

<223> n equals a,t,g, or c

<400> 230

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tcccgggtcg acccacgcgt ccggcccagc actagaagtc ggcgggtgtt ccattcgggtg 120
atcagcactg aacacagagg actcaccatg gagtttgggc tgagctgggt tttcctcgtt 180
gctcttttaa gaggtgtcca gtgtcagggtg cagctgggtg agtctggggg aggcgtgggtc 240
cagcctggga ggtccctgag actctcctgt gcagcstctg gattcacctt cagtagctat 300
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caaggactac ttccccgaac cggtgacggt gtcgtggaac tcaggcggcc tgaccagcgg 720
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ctgcctgggtc aaaggcttct atcccagcga catcgccgtg gagtgggaga gcaatgggca 1380
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ctayagcaag ctcaccgtgg acaagagcag gtggcagcag gggaacgtct tctcatgctc 1500
cgtgatgcat gaggtctgac acaaccacta cagcagaag agcctctccc tgtcyccggg 1560
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gcttggcacg taccctgtst acatacttcc crggcrccca gcatggaaat aaagcaccca 1680
scrtgcctt gggcccctgc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1740
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaawaa aaaaaaaaaa aaaaaaan 1798
```

<210> 231

<211> 1823

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1714)

<223> n equals a,t,g, or c

<400> 231

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gtcgcctgcc acccgcttcg gccacggcca gacgcccgcg gccttcctca gcgctctgct 60
gccctcgcag ccgccgccgg gncggtcaac gccctggggc tgcccaaggg tgtcaccccc 120
gcagatttcc aaagaaggcc agtagaactg ctagaatagc ctccgatgag gaaattcaag 180
gcacaaagga tgctgttatt caagacctgg aacgaaaact tcgcttcaag gaggacctcc 240
tgaacaatgg ccagccgagg ttaacatacg aagaaagaat ggctcgtcga ctgctagggtg 300
ctgacagtgc aactgtcttt aatattcagg agccagaaga ggaaacagct aatcaggaat 360
acaaagtctc cagctgtgaa cagagactca tcagtgaat agagtacagg ctagaaaggt 420
ctcctgtgga tgaatcagggt gatgaagttc agtatggaga tgtgcctgtg gaaaatggaa 480
tgccaccatt ctttgagatg aagctgaaac attacaagat ctttgaggga atgccagtaa 540
ctttcacatg tagagtggct ggaaatccaa agccaaagat ctattgggtt aaagatggga 600
agcagatctc tccaaagagt gatcactaca ccattcaaag agatctcgat gggacctgct 660
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accctcaggg ccgcatcagt tgtactggac ggctaattgg acaggctgtc aaccaaagag 780
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aagcagcgtt ccaacctgag gccaaacct ctnacctgac actgaatact gccttggtag 1620
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scttgaccaa catattcctt tgtcacatta tgtnaaaggc agaamcatac ctttgctatt 1740
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taatgctaata acaaatatac aca 1823
```

<210> 232

<211> 970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (960)

<223> n equals a,t,g, or c

<400> 232

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aattcgggac gagggcagcc cgcttgccaa tcagagcgcg gctgagcggc cccgcagcca 60
accccgagg agcgcccggc tggcgccgc cgcgcccagg agttggggat gtcctacaaa 120
cccacgccc ctgctcccag cagcaccctt ggctccagca cccctgggcc gggcaccctg 180
gtccctacag gaagcgctcc gtcgcccgtc ggctcagtgc caggagccgg cgtccttttc 240
agaccgctgt ttaacgactt tggaccgctt tccatgggct acgtgcaggc gatgaagcca 300
cccggcgccc agggctccca gagcacctac acggacctgc tgtcagtcac agaggagatg 360
ggcaaagaga tccggcctac ctatgctggc agcaagagcg ccatggagcg cytgaagaga 420
ggaagcgctt cggcctcagc gtctggacct atccggccac tgcagagcac ccgcttctcc 480
ctggccttca tcccagattg cactaaccat cctgggcttc ctgtcctgtg tcccttggtg 540
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caacaagagt tagcagcgag gtcccatga gtcccacca tgacctgccg acagtgttgc 660
ccaccggaac ttttgtggcc cctaccgtc agcccttccc agcacttctc ccactttgtc 720
ccgagcctcc ttctcccca gcaggggcac aggcctggca cctccctgcc ttgtgtcctg 780
agccatagtg actcttttat ctgtgtgtct tttgctaaat atgccctttt tatattaata 840
aaagatgatt tggagttgtg ctctcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaagg cggccgctct agaggatcca tgcttnacgt acgcgtgcat gcgtacgctn 960
ttgctcttct                                     970
```

<210> 233

<211> 967

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (923)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (926)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (955)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (957)

<223> n equals a,t,g, or c

<400> 233

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gccccaggac atgcagaacc ttctctaga acccgaccca ccaccatgag gtcctgcctg 120
tggagatgca ggcacctgag ccaaggcgtc cagtggctct tgcttctggc tgcctgggtc 180
ttctttctct tcgccttgcc ctcttttatt aaggagcctc aaacaaagcc ttccaggcat 240
```

```
caacgcacag agaacattaa agaaaggtct ctacagtccc tggcaaagcc taagtcccag 300
gcacccacaa gggcraggag gacaaccatc tatgcagagc cagygccaga gaacaatgcc 360
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caggcaccgc cggaggagca ggacaaggtg cccacacacag cacagagggc agcatggaag 480
agcccagaaa aagagaaaac catggtgaac aactgtcac ccagagggca agatgcaggg 540
atggcctctg gcaggacaga ggcacaatca tggaagagcc aggacacaaa gacgacccaa 600
ggaaatgggg gccagaccag gaagctgacg gcctccagga cgggtgtcaga gaagcaccag 660
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yccacaggag cagtgtcaac aaggacgaga cagaaaggat tkaccacagc agtcatccca 780
cctaaggaga agaaacctca ggccacccca cccctgccc ctttccagag cccacgacg 840
cagagaaacc aaagactgaa gggcggcaac ttcaaatctg agcctcgggt ggattttgag 900
gaaaaatata agcttcgaaa tanganggct tcagacgact tggccttgac tctgngnaga 960
tcaaaag 967
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<210> 234

<211> 2163

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<400> 234

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tcaaggccct gggcaagtat gtggacctca agcggttgaa cacgacaggc gtgacgccgg 120
ctgcacygcc gacctgctgg tggggcgcgcc catgactttc catggccacg gcttccttcg 180
cctggcgctc tcgaacgtgg caccgctcac tggcaacgtc tactccggct tcggcttcca 240
cagcgcaccag gacagtgcct tgctctacta ccgggcgctc ccggatgggc tatgccaggt 300
gtccctgcag cagggccgtg tgagcctaca gtccttgagg actgaagtga aaactcaagc 360
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gctgtatgtc gatgaccagc tccagcagat gaagccccac cggggaccac ccccgagct 480
ccagccgcag cctgaggggc ccccgaggct cctcctggga ggctgcctg agtctggcac 540
catttacaac ttcagtggct gcatcagcaa cgtcttcgtg cagcggctcc tgggcccaca 600
gcgcgtatct gatctgcagc agaacctggg cagcgtcaat gtgagcacgg gctgtgcacc 660
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```

cgccctgcaa gccagaccc cgggcctggg gcctagagga ctgcaggcca ccgcccggaa 720
ggcctcccgc cgcagccgtc agcccgcgag gcacccctgcc tgcagtgctgc cccacacact 780
caggaccacc cgagactcct accagtttgg gggttccctg tccagtcacc tggagtttgt 840
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ctcccgaggc ctctcctctt tctactgccc tctgaggccc ggcagcccct ccctggcgct 960
cttcctgagc aatggccact tcgttgca ca gatggaaggc ctcgggactc ggctccgcgc 1020
ccagagccgc cagcgtctcc ggcctggcgc tggcacaagg tctccgtgcg ctgggagaag 1080
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ttatatattg cccttccacc catttttaaat tgtgagagat ttgtcaccaa tcatcactgg 2100
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aaa 2163

```

<210> 235

<211> 1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<400> 235

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gcgcgacgcc gccacctccg gaacaagcca tgggtggcggc gacggtggca gcggcggtggc 60
tgctcctgtg ggctgcggcc tgcgcgacag aggagcagga cttctacgac ttcaaggcgg 120
tcaacatccg gggcaaactg gtgtcgctgg agaagtaccg cggatcggtg tccctggtgg 180
tgaatgtggc cagcgagtgc ggcttcacag accagcacta ccgagccctg cagcagctgc 240
agcgagacct gggccccccac cacttcaacg tgctcgccct cccctgcaac cagtttggcc 300
aacaggagcc tgacagcaac aaggagattg agagctttgc ccgccgcacc tacagtgtct 360
cattcccat gtttagcaag attgcagtca ccggtactgg tgcccatcct gccttcaagt 420
acctggccca gacttctggg aaggagccca cctggaactt ctggaagtac ctagtagccc 480

```

cagatggaaa ggtggtaggg gcttgggacc caactgtgtc agtggaggag gtcagacccc 540
agatcacagc gctcgtgagg aagctcatcc tactgaagcg agaagactta taaccaccgc 600
gtctcctcct ccaccacctc atccccccca cctgtgtggg gctgaccaat gcaaactcaa 660
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ttctgtaaac tgggaccaat gattacctca tagggctgtt gtgaggatta ggatgaaata 960
cctgtgaaag tgcctaggca gtgccagcca aataggaggc attcaatgaa ctttttttgc 1020
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cgatgataat ccaggccaaa ggtttagtgt ttgttatctt ctctgtatta ttttcttcat 1140
tacaaaagaa atgcaagttc attgtaacaa tccaaacaat acctcacgat ataaaataaa 1200
aatgaaagta tcctcctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aanggggggn 1320
c 1321

<210> 236

<211> 683

<212> DNA

<213> Homo sapiens

<400> 236

tgcacccacg cgtccgagca gctgctgcag ggcccatggc ggacaccag tacatcctgc 60
ccaatgacat cggcgtgtct agcctggact gccgtgaggc cttccgcctg ctgtcaccca 120
cagagcgcct ctatgcctac cacctgtccc gtgccgcctg gtacggaggc ctggctgtgc 180
tgcttcagac ctcccctgag gcccctaca tctatgtctt gctcagccgc ctcttccgcg 240
cccaggaccc cgaccagctg cgccaacatg ccctggctga aggccttacc gaggaggagt 300
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ttggtgacac caagtttgtt cccaacttgc ccaaggaaaa gctggaacgg gtgatcctag 420
ggagtgaggc tgctcagcag caccagaag aagtcagggg cctctggcak acctgcgggg 480
agcttatgtt ctctctggag ccaaggcttc gacacctcgg actggggaag gagggaatca 540
ccacctatct ctctgggaat tgtaccatgg aagatgcaa attggccmag atttctggac 600
tcacagaacc tyartgccta caacaaccgg stcttyaaag aagtcsatgg garaaaggaa 660
rccctamtac gaaggtgcgg gtt 683

<210> 237

<211> 2115

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2112)

<223> n equals a,t,g, or c

<400> 237

attcccggtt cgacccacgc gtccgggctc cggcaaccgc tccggcaacg ccaaccgctc 60
cgctgcgcgc aggctgggct gcaggctctc ggctgcagcg ctgggggtctt gctttgtctc 120
ccaggctggt gtgcagtggc gcgaccacgg ctacggcag cctcagccac ccagatgtaa 180
gcgatctggt tcccacctca gcctcccag tagtggtatc aggatccggc ttccaacatg 240
tggcagctct gggcctcctt ctgctgcttg ctggtgttgg ccaatgcccg gagcaggccc 300

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tctttccatc ccstgtcggg tgagctggtc aactatgtca acaaacggaa taccacgtgg 360
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ttcctgggtg ggcccaagcc accccagaga gttatgttta ccgaggacct gaagctgcct 480
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<210> 238

<211> 1642

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1633)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1638)

<223> n equals a,t,g, or c

<400> 238

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gctgccacac tcaacaattt ggctgtgctc tatggcaaaa ggggcaagta caaggaggca 240
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gatgtggcaa aacagctgaa caacctggcc ctcttgctgc aaaaccaggg caagtatgag 360
gccgtggaac gctactacca gcgagcactg gccatctacg aggggcagct gggggccggac 420
aaccctaatt tagccccggac caagaacaac ctggcttcct gttacctgaa acagggcaaa 480
tatgctgagg ctgagacact atacaaagag atcctgaccc gtgcccattgt acaggagttt 540
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agcaaaagcc ggcaccatga ggggtggaca ccctatgctg agtatggagg ctggtacaag 660
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gctcttactc cctccctctg ctgtctcact tcagggtccat gtatttact tttcttaa 1560
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caatttgccc canagggngg cg 1642

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<210> 239

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 239

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aacgccaccc tggaccggat cactggcaag tggttttata tcgcatcggc ctttcgaaac 180
gaggagtaca ataagtcggt tcaggagatc caagcaacct tcttttactt tcccccaac 240
aagacagagg acacgatctt tctcagagag taccagaccc gccagaacca gtgcttctat 300
aactccagtt acctgaatgt ccagcgggag aatgggaccg tctccagata cgaggaggc 360
cgagaaacat gttgtcacc tgctgttcct tagggacacc aagacctga tgtttggtty 420
ctacctggac gatgagaaga actgggggtg tctttctatg ntgacaag 468

```

<210> 240

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 240

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tacatcttat aaaacctaac tggcatttaa aaaatactgt ggccgggCGT ggtggctcat 60
gcctgtaatc ccagcacttt gggaggccga ggtgggagga ttgcttgagt ccaggaattt 120
gagaccagcc tggacaacac agtgagacct catctctatc aaaaaataaa aattagctag 180
atgtgggtggc atgagcctgt gttcccagct gcttaggagg ctgaagcagg aggattgatt 240
gagcctgcga ggccaaggct gcagcaggct gtgattgcac cactgcactt cagcttgggc 300
aacagagcaa gaccctgtct ccgaaacaaa taaaaaatat tgtaataaaa gtacttataa 360
acatactaata cctcttttcag gaccctaaag ttgcaggtta gtaggtcttc aaggacaaat 420
ctgtaagttt cttattttctg tagtgcaagt aaaatttcac tttttgaaac tatagagaga 480
tccctttctg attagcctac agaacttaaa gtgagggaac catttcctct cacagacaaa 540
gaggcctggg atattaggac tttgggggtt gagagcatca tggggcagac agatgggtgga 600
tggtctggac aagaagcgag taagccactg cggttggtca tactgaaggg aattgatggc 660
aagaggatcc cctgagcaag tcagaagtta ctctcatcag tcgttcatgg tcacaacctg 720
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tggacagagc agggcaggca gttctatgcc ttggagctcc tgactgcagg gactctgtcc 840
ccacactcar aaagactcag ctactcaat gagagaatgt gatttacttt atagaacgta 900
taatcaactt tgttgaataa tttgttctat taaggctgtc taaagtatgt gatgtcttca 960
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atctcataaa attggcatca attttaatga cgctcctggg atggaacctc agatataccc 1200
tattggagac aatcctttga tcataaaattc tcccacta taaatcattt tatgtcttta 1260
tcawaaaaaa aaaaaggaat tcgatatcaa gcttatcgat accgtcgacc tcgagggggg 1320
gcccgtacc 1329
```

<210> 241

<211> 1652

<212> DNA

<213> Homo sapiens

<400> 241

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agtgtaaaagt acaactaaga gtctcggtca cagggaaaaa taccatcagt taaatatcca 180
tagtcttaga gcatttatgt aaaactgcaa tttgaatcct gcaatacatt ttggcttttt 240
cctcagtgat accatgtgtg ggaagtgtgt ctgtcaagggt gggtcggata atttgccctg 300
gaaaggacgg atagtgactt tcctgacatg taraacatth gatcctgaag acacaagtca 360
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agaatgtgtg gatattgaga aagcctacaa atcaaccaat tgctcatcta agtgcaaagg 480
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atcttctgat tcatgttaga ctttgaagag actaaagaaa attttcaaga ggaacatatg 1080
cctgagaacc tttgcatgaa tttaaaattt caattatcca ttcttataag aaggaagatg 1140
attgtaaaga aatatctccg aagttaaaat ctgtaatagg aattgattca ttctctaagt 1200
```



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aaaacaaaac ataaaaacat cacactaatc ttggaggaat aagaaaaatt gtacatccat 1260
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tcacagttaa gaaaatgatg taaaattctg ttttgtggat ctctttccta gattagcttc 1380
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actttttaaa tggagaaaat ttcagttaaa ttaataggat aaaccagggt gcgaactggg 1560
gacctgtagg ccatgtttgc actgcaaata tatttgggtct gaatgatatt gaaaaaaaaa 1620
aaaaaaaaaa ctcgaggggg ggccccgtacc ca 1652
```

<210> 242

<211> 1946

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1932)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1941)

<223> n equals a,t,g, or c

<400> 242

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ggcggcgagg gcgcggggag ctgccctgcg acgactacgg ctatgcgcca cccgagacgg 180
agatcgtgcc gcttgtgctg cgcggccacc tcatggacat cgagtgcctg gccagcgacg 240
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tctcctcagg cattaccgct ctggtgttct tggacaaaag gattgtggct gcacggctca 960
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aagagccgag tatcttccag ccgctgcctc ctgactgtaa taatattaaa cttttttaaa 1860
aaaccataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1920
aaaaaaaaa anaaaaaaaaa nggggg 1946

<210> 243

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (472)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<400> 243

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tgctgggttt ttacaaggat attcgggtatt tgatgaaacc cagttaggca tgacatatct 120
cccttctccc cattcctacc tctcttttat taaaaatttt atagttacag tgtctatggt 180
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ggaattcaaa atctttcaaa ctggggtaaa aaccaggccc agaattcaga gttcaaccaa 420
caagctttcc aagaatgccg gcccaaagga aaaaagtggg ttcttgga aaacggggaa 480
aaggggggtg caancctttn gggagtnaca agngcttg 518
```

<210> 244

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 244

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gggaaggtcc atgggttgat acctcaggtc aaaaatgtgt ttactctgtt gattgctgtt 60
tcactttact tgtatatcag atatataagc tatgaacaca agttttagt aaaagtatct 120
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tctgtctggg caatggctca cacctgtaat tccaacactt tggggggctc aggtgggagg 180
atttctagtc cccaggagtt tgagaccagc ctgggcaata aactagaccc catgtctcta 240
aaaaatgtaa aaaacatcaa gaggctgagt caggaggatc atttgagctt aggagttcaa 300
ggctgcagta agttatgatt gtgccactgc attccagcct ggggtgacaag agtgagaccc 360
tgacccaaaa aaagtatctt ctgataaagt ggcatttgaa aattgcagaa aattttaata 420
ttttttcttt taatattaag aactttattg atctctctan gacaccttgg tgaggaaatt 480
aatggcactt ttcttgacat tcaacctggg actttgggtg attctgggtt ctggtgaatt 540
taaagtttca acatttcttt ggggcacnt ttacaagggg tttggccctt ggnaccttat 600
gaccggtcna anggtccaaa n 621

<210> 245

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 245

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cggaggttgc agtgagctga gattgtgccca ctgcactcca gcctgggtga cagagcaaga 180
ctccgtttca gaaaaaaaaa aaaactgtgt ctcatcattg cactgttctt ttaaaattgt 240
atatatatat ttttcttgca gatacactct ggaaatgatt aaactagtac cacataatga 300
aagtgcattg aactatttga aagggtattt gcaggatcgn ggtctttcca aatatcccaa 360
tctgtnaaat caattacctt gatttacaac caagtcaaag ttccccctac ctaattgcct 420
ttcttgggga naccatgaag acatgcnaga aaaccagnn gacaataang gagacatcct 480

<210> 246

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
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<220>
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<222> (342)
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<220>
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<222> (349)
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<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 246

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caccgtatta gccaggatgg tctcgatctc ctgacctcgt gntccgngcn cctcggcctc 120
ccaaagtgct ggganttaca ggcgtgagcc accgtgcccg gcctgattct cttaaaattg 180
aagaggtgct gccaaggnet tcagatctaa cgcagatgca tagaccttgt tcatggtact 240
tgttcagcct gtgctgggga gccgtgggtc cgagtttcct gggaggntga cagggtgaag 300
ccaccgtanc caccnaccnc cganttcnnc tncgctttct tntcagcant aggattaaag 360
ggattttgaa tgaagcaant tttaaggggt aggaggtgtt ggggaaaata aataattatt 420
caagtaaggc cttnnggnnt ttaggggggt n 451
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<210> 247

<211> 530

<212> DNA

<213> Homo sapiens

<220>

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<222> (7)

<223> n equals a,t,g, or c

<220>

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<222> (8)

<223> n equals a,t,g, or c

<220>

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<222> (13)

<223> n equals a,t,g, or c

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<222> (29)

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<222> (40)

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<220>

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<222> (404)

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<400> 247

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aggaaannag tanctgacag taacggtcng aattcccgn tcgaccacg cgtccgctgg 60
aacttctcct ggtctctcag ctggggccac tgcggcatc atgattggag tgctggttgg 120
ggttgctctg atatagcagc cctggtgtag tttcttcatt tcaggaagac tgacagttgt 180
tttgcttctt ctttaaagca ttgcaacag ctacagtcta aaattgcttc tttagcaagg 240
atattttacag aaaagactct gaccagagat cgagaccatc ctagccaaca tcgtgaaacc 300
ccatctctac taaaaataca aaaatgagct gggcttggtg gcgcacacct gtagtcccag 360
ttactcgggg aagctgaggg aggagaatcg cttgaacccg ggantggaga ttgcagttag 420
cccagatcgc accactgcac tccagtctgg ccaacagagc aagactccat ctcaaaaaag 480
aaaagaaaag gagactctga cctggtactc ttgaatacaa gtttctgata 530
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<210> 248

<211> 635

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

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<222> (484)

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<220>
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<222> (513)
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<220>
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<222> (516)
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<220>
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<222> (560)
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<220>
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<220>
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<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<400> 248
ggtggcaggt gcttataatc ccagctactc tgggggccaa ggcaggagaa ttgcttgagc 60
ctgggagatg gaggttgagc tgagctgaga tcatgccact gcactccagc ctgggcaaca 120
gagcaagact ctgcctcaaa aaaaaattaa aataaattta aatacaaaaa aaaatagcca 180
ggtgtggggt gcatgcctgg aatcccagct acttganaag gctnaaggca ccaanaattg 240
cttgaaccca ggaggtggag gttgcagtga gccaaagatca caggagccac tgcactccag 300
cctgggtgac agagtggagac tctgtctcaa aaaaaaatt aaataaatta ttataacctt 360
tcaaaaatgc tgtgtgcatt ttcattgtct tttttttaac attactgnca ctctccctaa 420
tgaaatggac ttcaanaaag cagtattttg ttaaataaat acataacctc attctgaata 480
atgnccctca ttttgactat aactgggctt ggnttnaaaa gcaaaattta acaaaaattt 540
aatccccttc caaaggaacn ttgggtancc tgggtnaaaa aatgccaaat ggggtacttt 600
tanttaaaat ttggaattta acatcttttt tggan 635

<210> 249

<211> 360

<212> DNA
<213> Homo sapiens

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<220>
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<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
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<222> (360)
<223> n equals a,t,g, or c

<400> 249
ctcaggaaac catgtccaaa accctagcag cggtagcagca tgctgtctcc aacccttatc 60
cccagggttta aggggtggtt atggccatac gtggagggtt tttgttggtg tttttganac 120
tgagtttcac tcttggtgcc caggctggag tgcaatggca ccatctcggc tcaactgcaac 180
ctccacctcc tggttcaagc gatctcaggc ctacagcttcc caagtagttg ggattacagg 240
cgccctgccac cacacctggc taattttgta tttttagtan anatgggggt ctccatggtg 300
gtcangctgg tctcaaactc ccgaactcaa gtgatctgcc cgccttgggc tcccaaaatn 360

<210> 250
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
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<222> (460)
<223> n equals a,t,g, or c

<400> 250
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cgccattgca ctccagcctg ggcaacaaga gcgaaaccct gtctcaaaaa aaaaacaaaa 120
aaccacacaa aaactaggag cctggaaggc cggactgggt ctccgtggga ggggcctggg 180
tctggagagc agggcagggg ctccctgggc taggggatgg ggatggggct gggcttcaga 240
ggaggcaggg ttacgtgca gaagagcgga cttggtctcc ggggtcccga gtgggtgacg 300
cgccccgcca caggtgcttc ctgaagggtga gccggctgga ggcacaactg ctccctggagc 360
gctaccccgga gtgcgggaac ctgctgctgc ggcccancgg ggacggcgcc gacggcgtgt 420
cggtcaccac tcggcngatg ccaacnggaa cgcacgtggn ccgg 464

<210> 251
<211> 315
<212> DNA
<213> Homo sapiens

<220>
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<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
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<222> (77)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
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<222> (202)
<223> n equals a,t,g, or c

<220>
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<222> (210)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
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<222> (311)
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<400> 251
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gtcgacccac gcgtttngct ccttggtcag gctgggtctgg aactggcgac ttnggggtgat 120
ccgcccgcct cggcctccca aagtgggtggg attacagggtg tgagccaccg tgcccagccc 180
tgaaatagtc ttaattgctt gnttttcttn tttgtctgan gtgtgctttt taaaatctct 240
atggagatgg agaagactga cattntctgg cctgatgtga aaaacctctc attaaaaacc 300
gngtntgtag ntttg 315

<210> 252
<211> 333
<212> DNA
<213> Homo sapiens

<220>
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<222> (51)
<223> n equals a,t,g, or c

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<222> (79)
<223> n equals a,t,g, or c

<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
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<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 252
gggctaattt gtgtattttt agtggaaacg gggttttgcc acgttgcca ngctggcttc 60
gaactcctga cctcaggtna tccaccacc ccagcctccc aaagtgctgg gattacaggc 120
gtgagccact gagcccagcc nacttttcag tttttaacat aatttttggt ttatccacaa 180
cttttcaagt attganagtn caataaaaaa catgggttct tagtctgtaa ctntctgtta 240
aagcctatga atnnccttctg aaaatcatgt ttttaaagtc ataaaatata tacgattacg 300
anngaattctt attattgtcg aaatncagtt att 333

<210> 253
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 253

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gaaaaanttt taaaggaaga agggaaggca ggctggggag gntggggnaa ggaagcaggg 60
agtgcagatc actccccttc catgagttgt tttcttaaga tgctagaact tggccaggca 120
tggtggctca cccctgtaat cccagcactt tgggaggctg aggctggcag atcacttgag 180
gtcaggagtt ccagaccagc ctggccaaca tggtgaaacc ccatctctac taataataca 240
aaatttagcn ggggtgtgggn ggtgtgcacc tgtggcccta nctacttggg aaggctgana 300
cnaggag                                         307
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<210> 254

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (256)

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<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<400> 254

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gtataaatgt tacttaaaaa aaatatattt ggccgagcac agtggetcac gcctgtaatc 60
cccacacttt gggaggccga ggcgggcaga ttgcctgagg tcaggaattt gagatcagcc 120
tggccaacat gatgaaaccc cgtctctact aaaaatacaa aaattagccg ggcatgggtgg 180
caggcacctg taatcccggc tactcgggag gctgaggcag gaaaatcgct tgaacccggg 240
agtcggaagt tgcagngagc caaggtcatt tcattcattgc actccagctt gggcaacaag 300
agtgaagact tcgtctcaaa aaaaaaactt acagactttt ttttcctttt gtaaattgnt 360
agtttaactt tgaattcnng atgaaggatt tattcttatt t 401
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<210> 255

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 255

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gcttatcatt tgtattaaaa tatggtttaa tgtaaagagt tgcctttctc cattcccccc 60
tcccctcccc tcccctctct tcccctctct tottaccctc aattaaaaaa tagcacatcc 120
```



```

ctaattgtggg aaacagtaag aaagcatana ttacatttta ggcagggcac agtggctcac 180
gcctgtaatc ccagcacttt cggaggctga ggtgggtgga tcacttgagg tcaggagttt 240
ganaccagcc tggccaacat ggtgaaaccc tgtctctact aaaagtacaa aaattagcca 300
ggcatggagg cgggtgcctg taatcccagc tacttgggag gctgaggcag gagaattgct 360
tgagcccann aggcanaggt tgcagtgagn anagatcggg ccattg 406

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<210> 256

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<400> 256

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gacatgaatt ccttaatgat gggagangat aaaatcaagt tcaaacacat cccccccctg 60
caggagcaga gcaaagaggt ggccatccgc atctttcagg gctgccagtt tcgctccgtg 120
gaggctgtgc aggagatcac agagtatgcc aaaagcattc ctggttttgt aaatcttgac 180
ttgaacgacc aagtaactct cctcaaatat ggagtccacg agatcattta cacaatgctg 240
gcctccttga tgaataaaga tggggttctc atatccgagg ggccaagctt catgacaagg 300
gagtttctaa agagcctgcg aaancttttg gtgactttat gggagcccag tttgagtttg 360
ccgtgaaatt ccattggcnnng ggattatatg gacagcggct tgggcaaatt nnagc 415

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<210> 257

<211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (102)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (297)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (375)
 <223> n equals a,t,g, or c

<220>
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 <222> (380)
 <223> n equals a,t,g, or c

<220>
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 <222> (384)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (397)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (411)
 <223> n equals a,t,g, or c

<400> 257
 cgcagaggaa accccgcacc cctggcagaa gttccggacc aagccccagg gggaccagga 60
 caccggcaag gaggtgatg acggatgtgc ccttgggggc angtgatggg agcacagctg 120
 gaacaatgtg ctgcggcccc agtgctctgt gggagcccca ggacaagtga gctgggtgtca 180
 cctcctgcct gggggaagag ccaggccctg aagaacagcc gcagcgtgtc acagggtgtg 240
 gtgaggacac acactaggcc caagggtgcct gtgctcccag cagggttcaa gtgcaanttc 300
 aagccaactt tgcgtgttaa cttcaacggg gacttccaag cttccaagct aacttttgtg 360
 gtgttaacct tcaanaaaan caanaaaggg gggcttnggg gcatttttgt ncct 414

<210> 258
 <211> 373
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 258

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ctccgagtca gggcccaggt gcagctctcc ggtggacaca gaatgcagcc atgctgaggg 60
cagccggagc caaggccctg agaaagcctt cagcccggct tctccatgtg cctggaacgt 120
gtgtgtcacc aggaaggccc cctgctggc ctctgacagt agtcctctg ggggctccca 180
cagcgaggat ggcgaccaga aggcagcgag tgccatggat gcggtgagca ggggtcccgg 240
ccgggaggcc ccccgctgcc cacagtggcc aagacagaag aagcttttgg caaggttcgg 300
ttttctgaca accggctttt naancctncc ttgccccgcg gccaaaagga nttatttct 360
ngcccaagcg ttg 373
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<210> 259

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 259
aaactaacag atgaagaagt agatgaaatg atcagagaag cagatattga tggagacgga 60
caagtcaact atgaagaatt cgtacagaat gatgactgca aaatgaagac ctactttcaa 120
ctcctttttc cccctcttta gaaagaatca aatttgaatc ttttacttac ctccttgcaa 180
aaaaaagaaa aaagaaaaaa ttccatttat tcaccttgtt ttcttatata gccaaactga 240
atgttcaaaa gtaccttcct tgtcccacac acacaaatct gcatgtntgg ttgggggggt 300
ccctgtcccc ctaaagatca agctacactt cccattttta caatataata cttgttctac 360
cttatgatag atccctnaaa agtttcccct ttgctaataa ttatacctgt ttgggtggcc 420
agttttccct gcttgcantt gannaatgac ccagccggcc tttgttttaa attgaaatga 480
aaacaattcc aaccntccat ggttcccgtc cattgttaat taatggcca 529

<210> 260
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
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<222> (562)
<223> n equals a,t,g, or c

<400> 260
actgtctgta tattacggaa gctcttttca cataatatga ctcgtctgcg aaagtttatg 60
gtttactttg gaaagaacca aagtttgcag aagatacaga aaactcctct ctttgtggcg 120
gcgatctgtg ctcattgggt tcagtatcct ttgacccat cctttgatga tgtggctgtt 180
ttcaagtcct atatggaacg cctttcctta aggaacaaag cgacactgaa aattctcaaa 240
gcaactgtgt cctcctgtgg tgagctggcc ttgaaagggt ttttttcatg ttgctttgag 300
tttaatggat ggatggatct cgcagaagca gggggtggat ggaagatgaa gatctaacca 360
ngtgcttgga tgagcaaatt ttacagccca gagactaaga ccattctacc ggnttttttaa 420
gttccggcct tccaagnaat tcttgccggg ggatgaggcn ggattgaact ccngggatcc 480
agataggcag gaacatcaag attggggang gtaaccattg gaacaaacca ctcaccagg 540
tgacggtaag cgcctacaac antttt 566

<210> 261
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
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<222> (75)
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<400> 261

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nataacctgt cnaanttatc tgatgacana ttaccaangt gctcccccat ccccacagta 120
tagaangatt atttgcattg gtgcanaana naatggnttg ccgctggant atcaanagan 180
gttaanagcn ttanaaccaa atgactatac ntgaaaggct tcanaagaaa ntgangacat 240
catcannaag ggggaaacac anactcttta gancataaca gaatatatct aaggggtattc 300
tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttggtttt 420
tagactatac tcagaaactg ggatanggag ttanaccatt taaaacgggt gtatganggc 480
ctgnaatatg tgacaantga at 502
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<210> 262

<211> 489

<212> DNA

<213> Homo sapiens

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<222> (483)
<223> n equals a,t,g, or c

<220>
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<222> (486)
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tgggaccagg agcccgccag ggagcaggca ggcgggggct ggcgggccag gcggccccgg 120
gcccgtcccg tggacgcctt ggacgacctc accccgccga gcaccgccga gtcagggagc 180
aggtctccca cgagtaatgg tgggaggaga agccgggcct acatgcccc gcggagccgc 240
agccgggacg acctctatga ccaagacgac tcgagggact tcccacgctc ccgggacccc 300
cactacgacg acttcaggtc tcgggagcgc cctcctgccg accccaggtc ccaccaccac 360
cgtacccggg accctcggga caacggnctc aggtccgggg acctccccta tgatgggagg 420
ctactggagg aggtctgtgan gaagaagggg tcggacgaga ggangagacc ccacaangag 480
gangangaa 489

<210> 263
<211> 93
<212> DNA
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<222> (75)
<223> n equals a,t,g, or c

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<222> (76)
<223> n equals a,t,g, or c

<220>
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<222> (93)
<223> n equals a,t,g, or c

<400> 263
gcgggtgccc gctctgcgcg tnttcctgc cgggtctcc tcgctgtcgc ngccgatgcc 60
acaccatggc cttcnnacc aggcagttca tgn 93

<210> 264
<211> 389
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (358)
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<400> 264
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ctttaatctg cnttactacg tggggcacaa gggcaagtcc ggccangagt tcctggagtt 120
tgaagtttcg accggacgga gcttgaaatc gtcattggag atgaacacat ttcttttnac 180
aacatcaaaa attggttccc ttattgatgt caatcatgcc aaggatccag aaggcttacg 240

nagtatttna ttatcttgtc caggacctga agtgtttggg cttcagtctt attgggttac 300
acttcaagnt taaaccatct agactgnata ttngtgtggg acangggggg ggggtggngt 360
aggaaatttt gtgtattttc aggggcatt 389

<210> 265

<211> 400

<212> DNA

<213> Homo sapiens

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<222> (308)

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<222> (390)

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tcccagtc cc agcctacttc cgccacgcag aacctggatt ctccctcaag agggccagg 120
ggctcagccg gagcctccca cctccgcccc ctgccaaggg cagcattccc atcagccgcc 180
tcttccctcc tcggacccca ggctggcacc agctgcagcc ccgcgggtgt cattccggggc 240
gaaggcc tag agactctgca gagccctggg tatgacccaa gccgcaaaag tctttnttca 300
agcaaagntt caaaagggtta agccgcttgg gcaatggttt annggaaagg ttttaagggg 360
gcctccaagg gaggacggcc ggttttttnn ggaaaagggt 400

<210> 266

<211> 382

<212> DNA

<213> Homo sapiens

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<220>
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<400> 266
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cacaggtgag ctgccgctgg gcccgganca tgctgggcgt tcncacctng cagactgcac 120
gctccaaccg cccgctccac ctactctttc caggcccggc ancttntgga gaaggaattc 180
agcannctta tctccttagg cacagacagg ctgctggacn aggacatgcg ccaagtcttt 240

cagttcgntc cccatcctgg cggaagatgt tccggganga aggacctccg aggcgtaact 300
ngccgactca ctgagatgtt gccccncaac tttcggttcgg ntgcagcggn attcctgggc 360
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<210> 267

<211> 449

<212> DNA

<213> Homo sapiens

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<220>

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<222> (433)

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<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

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<222> (447)

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<222> (448)

<223> n equals a,t,g, or c

<400> 267

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atggggccta tggagaaatt ctggaataaa tttttggaga ataaatcccc ttggaggaaa 120
atgggtccatg gggtatacaa aaagagtatc tttgttttca ctcatgtact tgtacctgtc 180
tggattattc attattacat gaagtatcat gtttctgaaa aaccatatgg catagttgaa 240
aagaagtcca gaatattccc tggtgatata attctggaga ctggagaagt aattccacca 300
atgaaagaat ttcctgatca acatcattaa agattatgta aaaaggtaaa aggcttatga 360
gcctaagttt ggtncatat taccatattt actggaattt tcttggaataa gtactttaat 420
aaagtttaat cttagaaaaa aaaaannna 449

<210> 268

<211> 594

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (8)

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<400> 268

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ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgaggt cagtgtcggg 120
cgcagacggc ggcagtgcgg cttgctcttg gaagttcagg ctcggttgtc ttttgggagc 180
catggagagt gacttttatc tgcgttacta cgtggggcac aagggcaagt tcggccacga 240
gttcctggag tttgagtttc gaccggacgg gaagttaaga tatgccaaca acagcaatta 300
caagaatgat gtcatgatca gaaaagagggc ttatgtacat aaaagcgtga tggaggaact 360
gaagagaata attgacgaca gtgaaattac caaagaggat gatgcattgt ggcctcctcc 420
tgaccgagtg ggccggcagg agcttgaaat cgtcattgga gatgaacaca tttcttttac 480
aacatcaaaa attggttccc ttattgatgt caatcaatcc aaggatccag aaggcttacg 540
agtattttat tatcttggtc aggacctgaa gtgtttggtc ttcagtctta ttgg      594
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<210> 269

<211> 332

<212> DNA

<213> Homo sapiens

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<222> (240)

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<220>

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<222> (275)

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<222> (321)

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<220>

<221> misc feature

<222> (332)

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<400> 269

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atcttcgtga agactctgac tggtaagacc atcaccctcg aggttgagcc cagtgcacac 120
atcgagaatg tcaaggcaaa gatccaagat aaggaaggca tccctcctga ccagcagagg 180
ctgatctttg ctggaaaaca gctggaagat gggcgacccc tgtctgacta caacatccan 240
aaagagtcca ccctgcacct ggtgctccgt ctcanagggtg ggatgcaaat cttcgngaag 300
accctgactg gcaagaccat nacccttgag gn 332
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<210> 270

<211> 515

<212> DNA

<213> Homo sapiens

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<220>

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<222> (4)

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<220>

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<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<400> 270

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tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggatgt tgatgtcctg 120
catctaacgc ggtgtaaccc ccgaagccga gcgagctccg gaggaatttc agtatctgct 180
acggtaactt catcagcccc ccaagatggc gatgcaagcg gccaagaggg cgaacattcg 240
acttccacct gaagtaaatac ggatattgta tataagaaat ttgccatata aaatcacagc 300
tgaagaaatg tatgatatat ttgggaaata tggacctatt cgtcaaatca gagtggggaa 360
cacacctgaa actagaggaa cagcttatgt ggtctatgag gacatctttg atgccaaaga 420
tgcattgtgat cacctatcgg gattcaatgt ttgtaacaga taccttgtgg ttttgtacta 480
taatgccaac agggcatttc agaagatgga cacaa 515
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<210> 271

<211> 141

<212> DNA

<213> Homo sapiens

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<222> (14)

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<222> (25)

<223> n equals a,t,g, or c

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<222> (39)

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<222> (141)

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<400> 271

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tcaaaactga gagggatagg aaagtaaaaa cttatccagg taggaaaatt ggatcgaaca 120
tttcacctct catattaagg n 141

<210> 272

<211> 433

<212> DNA

<213> Homo sapiens

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<222> (49)

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<220>
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<220>
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<220>
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<220>
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<222> (402)
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<220>
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<222> (427)
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<400> 272
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ggcccaagat gaccggttct aacgaagttc aagntgaacc agccacccgg aggatagcat 120
ctcctccgta aagttcagnc ccaacacctc ccagttcctg cttgtntcct cctgggncac 180
gtccgtncca ctctacgnat gtgccggcca actccatgcg gctcaagtac cagcacaccg 240
gagncgtntc ggactgcgnc ttctacggtc caangnatgc ctggagtnga ggactagatc 300
atcagttgaa aatgcatgat ttgacactga tcaagaaaat ttcttgacc catgntgcc 360
tatnagatgt gttgaatact gtcagaagtg aattanaatg gnactggaag ttgggggttag 420
ccagttnacc tgt 433

<210> 273

<211> 432
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (190)
<223> n equals a,t,g, or c

<220>
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<222> (332)
<223> n equals a,t,g, or c

<220>
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<222> (371)
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<220>
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<222> (373)
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<220>
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<222> (380)
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<220>
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<220>
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tgaaccgagt agaagacaag gtgacgcagc tggaccagag gctggcactc atcaccgaca 120
tgcttcacca gctgctctcc ttgcacggtg gcagcacccc tgagcccact gtgcgtgggg 180
ctcccgncn caaccctcgc ccagtccca gcagccagcc aaacacacag aaggggactg 240
ccaccttccc ttgccagctg ctgagccgca gagaagtgcac ggttcctaca caggacaggg 300
gttccttctg ggcattacat cgcataaaaa tnaataattt gtggtgattt ggatctgggt 360

tttaaatgaat ntnacagtgn gacttttgatt attaattgag caagcttttc ctaataaacg 420
tggagaattcn cn 432

<210> 274

<211> 276

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (269)

<223> n equals a,t,g, or c

<400> 274

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gctgaggacg aggctgatta ttactgcagc tcatntacaa gtagtatctc ttatgtcttc 120
ggaactggga ccaaggtcac cgtcctagtc cagcccaagg ccaacccac tggtcactcc 180
tgtttcccc cctcctcctt aagaacttcc aagcccaaca aaggcaacta tgtnttttgg 240
aaccattact tctanccggg aaanntttna aaatgc 276

<210> 275

<211> 351

<212> DNA

<213> Homo sapiens

<220>

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<222> (48)
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<222> (78)
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<220>
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<222> (87)
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<220>
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<220>
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<222> (329)
<223> n equals a,t,g, or c

<220>
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<222> (349)
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<400> 275
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gggccgtgga aaacgggnac cggacangaa gccgccggcc ctgccgcgcc ccatccncaa 120
cctggaagtc gagttcacca agatatttan caanaatgga atgggacgaa tccnagantg 180
ggaaaaaagtg tgctacatgt taccntcaa ctccggganc aaatatgtga agtggaagaa 240
ngagatangg ccgacgtggg acgaaggctg tggaagctgc acagggtngc tnccaaaaaag 300
ggntccccc a tgggcgcccg gtgggatgnc ctgaattcct tggccggtng c 351

<210> 276
<211> 463
<212> DNA
<213> Homo sapiens

<400> 276
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catcttcctg cccgtgctgg gcctcccatg ggggtgcctg tcacagggtg agctgcagca 120
gtcagggtcca ggactggtga agccctcgca gaccctctca ctcacctgtg ccatctccgg 180
ggacactgtc tctaggaaca gtgctggttg gaactggatc aggcagtccc catcgagagg 240

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ccttgagtgg ctgggaagga catactacag gtccaaatgg tataatgatt atgccgtatc 300
tgtgaaaagt cgaataacca tcaacgcaga ttcaaccaag aatcagttct ctctgcagct 360
gaactctgtg actcccagag acacggctct gtattactgt gcaagagatc ggggcagctg 420
gtccgatgaa gccgaggggc tcccgcgcgc ttacttctac tac 463
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<210> 277

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 277

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cctcttcttg gtggcagcag ctacaagtgc ccactcccag gtgcagctgg tgcagtctgg 120
tgctgagggtg aagaagcctg gggcctcagt gaaggctcc tgcaaggctt ctggatacac 180
cttcaccagt tatgatatca actgggtgcg acaggccact ggacaggggc ttgagtgggt 240
gggatggatg aaccctaaca gtgctaacac aggctatgca cagaagttcc agggcagagt 300
caccatgacc aggaacacct ccataagcac agcctacatg gagctgagca gcctgagatc 360
tgaggacacg gccgtctatt actgtgcgag anggaggcgg tgggagctgc tcgggatgat 420
gtgggacttt gactactggg gccaggaac cctggtcacc gtc 463
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<210> 278

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
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<222> (315)
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<400> 278
ggcagagggga tctcaggggt tctttttctg tcttccacca tcatgggggtc aaccgccatc 60
ctcgccttcc tcttggtgt tctccaagga gtctgtggcg aggtgcagct ggtacatgct 120
ggaggagaga tgaggaaagc ccggggagtc tctgaagatc tctgtgaag gntgttggga 180
tacacctttg aacatctact gggatcgggt ggggtgcgcca gatgcccggg gaaggcctgg 240
gagtgggtgg ggcatacatat gtctgtgga ntctgatggc cagngatagc cannccttttc 300
gagggccaga tgcancatgt gcagtcgaca agtgccacca aca 343

<210> 279
<211> 436
<212> DNA
<213> Homo sapiens

<220>
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<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
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<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<400> 279
gcaccatggc ttggacccca ctccctcttcc tcaccctcct cctccactgc acaggggtctc 60
tctcccagct tgtgctgact caatcgccct ctgcctctgc ctccctggga gcctcgggtca 120
ngctcacctg cactctgagc agtgggcaca ncgactacgc catcgcatgg catcagcagc 180
agccagagaaa gggccctcgg tacttgctga ngcttaacac tgatggcagc cacaggaagg 240
gggacgggat ccctgatcgc ttctcagggt ccagctctgg ggctgagcgc tacctcacca 300
tctccagcct ccagctctgag gatgangctg actattactg tcagaactgg ggctttggga 360
tngtattcgg cgnaagggac caanctgaac gncctaagtc agnccaaggc tgccccctcg 420
gtcaatctgt tcccgg 436

<210> 280
<211> 315
<212> DNA
<213> Homo sapiens

<220>
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<222> (76)
<223> n equals a,t,g, or c

<220>
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<222> (138)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (246)
<223> n equals a,t,g, or c

<220>
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<222> (280)
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<220>
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<222> (315)
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tccccgggcta tacagnccat ctgcctgccc tcgatgtata acgatcccca gtttggcaca 120
agctgtgaga tcaactggnc tggaaaaaag gaattctagt gaagtgaaca attgcgaact 180
gaacttagga aggtcctgga ggagtgtttt gacctggaaa atgnagccca gtgtggttca 240
agggtnagac tgcagagttt agaggtgggg agcactgagn cgggtggcaga ttgggtccca 300
gggttggnnt gaagn 315

<210> 281
<211> 411
<212> DNA
<213> Homo sapiens

<220>
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<222> (339)
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<220>
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<222> (358)
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<220>
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<222> (376)
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<220>
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<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 281

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agaagaatat gaaaaagcag agcgactcgg ttaagggaaa gcgccgagat gacgggcttt 120
ctgctgccgc ccgcaagcag agggactcgg agatcatgca gcagaagcag aaaaaggcaa 180
acgagaagaa ggaggaaccc aagtagcttt gtggcttcgt gtccaacctt cttgcccttc 240
gcctgtgtgc ctggagccag tcccaccacg ctcgcgtttc ctctgtagt gctcacaggt 300
cccancaccg atggcattcc ctttgccctg agtctgcanc gggtcctttt tgtgcttnct 360
tcccctcaag tacctntttc cccctggggc acttcggggg gtnagggggg n 411
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<210> 282

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

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<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<400> 282

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cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagtag agacagcgcc 120
ggggcaagtg agagccggac gggcactggg cgactctgtg cctcgctgag gaaaaataac 180
taaacatggg caaaggagat cctaagaagc cgagagnaaa atgtcatcat atgcattttt 240
tgtgcaaact tgtcgggagg agcataagaa gaagcaccca gatgcttcag tcaacttctc 300
agagttttct aagaagtgtc cagagaggtg gaagaccatg tctgctaaag agaaaggaaa 360
atgtgaagat atggcaaaaag cggacaaggc ccgttatgaa agagaaatga aaacctatat 420
ccctcccaaa ggggagacaa aaaagaagt caaggatccc aatgcaccca agaggcctcc 480
ttcggccttc ttcctcttct gctctgagta tcgcccacaaa atcaaaggag aacatcctgg 540
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gctgtccatt ggtgatgttg cgaagaaact

570

<210> 283

<211> 366

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

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<222> (10)

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<220>

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<222> (32)

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<222> (39)

<223> n equals a,t,g, or c

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<220>

<221> misc feature

<222> (333)

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<220>

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<222> (337)

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<220>

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<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<400> 283

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agcggatttc acacatgcct agcagaccag aactctcggc agttgctaca agggaagaaa 120
ggactatgtg gatcccttgt ggctatgcag atacctacct cacagagttg ttgtagaaga 180
ctggtggttt ggttcaaacc ttgtgattaa agagtttgtc aagcatttta ttcttttgaa 240
taaaagcaac atatctaaaa catttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaagggnnggc cgntttnaag gatccaanct tacgaancgt 360
gcatgc                                     366
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<210> 284

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (389)

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<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<400> 284

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gggtggggcc cgatgggtcac acctgctcac ttttcccaga ccacccctc ctacaggagc 120
gggagaagat tgtggctccc atcagtgaact ccccggaagcc accgccacag cgtgtgacct 180
tcacgctacc tgcctgaat gcagcacgaa ctgtcatctt tgtggcaact ggagaaggca 240
aggcagctgt tctgaagcgc attttgagg accaggagga aaaccgcgtg cccgccgcct 300
```


gggccagccc cacaccggga aactgtgctg gtcttggacg aggcggccgc cgcttctgac 360
cgtgcccttc gagaaacatt ccactttgna actnngcnca aaggacnccc aaat 414

<210> 285

<211> 551

<212> DNA

<213> Homo sapiens

<220>

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<222> (8)

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<220>

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<222> (180)

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<220>

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<222> (186)

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<220>

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<222> (225)

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<220>

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<222> (234)

<223> n equals a,t,g, or c

<220>

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<222> (271)

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<220>

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<222> (296)

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<220>

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<222> (298)

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<220>

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<222> (319)

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<220>

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<222> (322)

<223> n equals a,t,g, or c

<220>

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<222> (324)

<223> n equals a,t,g, or c

<220>

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<222> (325)

<223> n equals a,t,g, or c

<220>

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<222> (365)

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<220>

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<222> (368)

<223> n equals a,t,g, or c

<220>

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<222> (410)

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 <222> (526)
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<220>
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 <222> (528)
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<220>
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 <222> (536)
 <223> n equals a,t,g, or c

<220>
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<400> 285
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 gganacggtg acggtgctgc gcaagaaggg ccctacggac gccagcaac atccaagcag 120
 gctatcttag cggcacaag actaggagaa gatgtggaga cttccaataa atgggctgcn 180
 ggccanaaca aacaacattc tattaccaag aacacggcca agctngaccg gganacagag 240
 tgctgcacca tgacaggtga ccctgaagtg ngtcaagtga tccagcaagt cggcananca 300
 agggcttaca cataacganc tngnnacgaa aatcatgata agccacagt atcgcagact 360
 atganagnng tacggccata cccaataacc agtgcttggc aaaatcgacn ggaccattgg 420
 ctccaagctc cgggaaagac attggaaaac ccatcgagaa gggcctaggc gaaatgaaca 480
 cnaagcctcg aaatcatgag ctccagctga tctcttcgcg cgttcncntg gccgcnattc 540
 cgttntcctc a 551

<210> 286
 <211> 615
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
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<400> 286
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 ctagaactag tggatcccc gggctgcagg aattcggcac gagtattgcc tctgagggag 120

tccaactgta tacctgcac agtggtcattc ctttgtgtga tttcttaatg ctgtatttgt 180
tcattctcaaa cctagatgta tacagctctg agttataaat gggtataaag ctccctgttac 240
tcattattagt tattttacac aaaaagcttt tagaaaatgg tacgaggtaa ccaattcttg 300
tcattggtgaa atctgattga gtaaccaagc agttttacta ttctgggtgct gcttcataac 360
aaaaatgaaa agctgcatgc atctacagca ggcatggatt gtttatgtcg tatgatatacc 420
tttattaagt aagttcactt atagtatttc tataatttga ttcattgccg taatagagcc 480
atgtaggaaa tgcactgatt gcatgttatt gtggcaagaa taccctaaat gtcattaaaa 540
tcctccaaca tgatggatct acttatgggc ttgtttgttg acatgacaaa ttaacattct 600
tatagttaca tctgg 615

<210> 287

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<400> 287

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aggacggttt ctctgtcttg aatttagcca agtgaacaat cccctcatat ccaggcttta 120
tgatctatat agcttcagg tcatccctgt cctgggagag gtcacgctg gagactggaa 180
gtcctatcag tacctttag agagtatccg aaggtttccg nctcangaag agttcangga 240
catgatagaa gatgcaggct ttcacaaggt gacttacgaa agtctnacat caggcnttgt 300
gg 302

<210> 288

<211> 414

<212> DNA

<213> Homo sapiens

<220>

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<222> (53)

<223> n equals a,t,g, or c

<220>

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<222> (57)

<223> n equals a,t,g, or c

<220>

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<222> (63)

<223> n equals a,t,g, or c

<220>

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<222> (83)

<223> n equals a,t,g, or c

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<222> (86)

<223> n equals a,t,g, or c

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<222> (91)

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<222> (100)

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<222> (107)

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<220>
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<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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tgctcgagtgg cgcccatggc gaagagntct canctcnnat gtggaagnct ctcaccttct 180
tcgtcgcgct ccccggggtg ncagncanca tncatgnatgt ntacctnaag tcncaccacg 240
gagagcacga ganacccgag ttcacgtct accctatct ncgtatcagg ancaagcnnt 300
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ttgctgctat ggnatctata agacttcang gattacatan acctgcgtac catgcnctga 180
ctgactgtgg ggatcatgtn tggtata 207

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ccagagtggg actgcctgcg cctgctcctg ttatcaatag caaatatgga ctcagagaaa 180
cagataaacg tttaaatagg cttaaaaagt taggtgacag cagcaaaaat tcagacagtc 240
aatctgtcag ctctaact gatgcagata ccactcagga aaaaaacaat gcaacttcta 300
accgaaaatc ttcagttggc gtaaaaaaga atagcaagag cagaacgtta acgaggcaat 360
ctatgtcaag aattccagct tcttccaact ctacctcTc taagcttaac tcatataaat 420
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cancctggnt gcttcaagac agagtcagtg aagaaacgtg ggttcantgg gaaaagcgcc 180
aacaanttgc tnctggccca accttgtctn aagagcttct gcaggncctta cgggaaa 237

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tcattgccac agacctcgcc ctgtatttca agaagaggac gatgttcaa aagatcgtgg 180
atcagtctaa gacatatgag agttaacagg agtggacaca gtacatgatg ctggagcaga 240
cacggaagga aatcgttatg gccatgatga tgaccgcctg tgatctctca gccatcacca 300
aaccctggga ggtgcagagc caggtagctc tgctggtggc tgctgaattc tgggaacaag 360
gtgacctgga gcgcacggtg ctgcaacaga atcccattcc catgatggac agaaacaaag 420
cagatgaact ccctaagctt caagtcggct tcattgactt tgtttgcacc ttcgtctaca 480
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ttgatataac caccaaagaa atggttcttg ctgatgattc ctggagactg gccattacga 180
gtattgaagc caacagtaaa gacannnagt cttactgggn gctcaaagaa gtaactcctg 240
aagggtcna aatggtaaag aaaagctttg aggccgggca cggtgactca tgccctgtaat 300
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acatccagct gacctgccaa tcaaaggagg gtcaccaaac ccctccagta cagctggaaa 180
gaagttacaa catcctgaat caagancanc ccctggcccc acccacctca ggttcaacct 240
gttctccctt aaaaaatata tcccacagaa cacatcnggt ttatantctt gttcctccca 300
gcaataagaa nggaaaccnn tttctgcaac ttcacggtgg ccttncaaata ctncccccca 360
taaaantttg ccntttttt tgnctccccg ggggggtttt ttttttcacc ccccttatcc 420
ntngngncan cnccttangg ngcngccncc caggggaaag annnaacccc naaaaaaagg 480
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ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct gggttacctgt 180

gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
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tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcgggtg 420
gggcctatga tctangctct cgcctnttca ngagaagatc aaatncacaa gaaacaaaga 480
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tggggcaaga nagtgaattg aattacaaaa ccaccaagac ctcccgnttg cccatnnatc 180
gatgtggccc ccttggaacg ttggtgcccc aaaccaggna attcggnttc gaacgttggg 240
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gagtacgaga acgatctggg gatcacagcc gtcgccctgt acgantacca ggctgcgggc 180
gatgatgaga tctcatttna ccctgatgac atcatcacca acatcgagat gattgangac 240
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<223> n equals a,t,g, or c

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<222> (408)

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ccccaccgac nttggtnag gataactcca ggtacacaca cttcctgacc cagnactatg 120
atgccaaacc acagggccgg gatgacagat actntgaaag catcatgngg agacggggcc 180
tgacctgacc ctgcaaagac atcaacacat ttnttcatgg naacaagcgc agattcaagg 240
ncatctgtga aaacaaggan tggaaacctnt tacagggnaa cctnagggttt angnaagttt 300
tttttttcca ggnaaccatt tggaaagttn aatnggggggt ttcccnnggg tntnnaanga 360
ctttcccggg gcnaaangng ggnttaaaaa annntttttt ttttttnga aaaagggtt 418

<210> 300

<211> 346

<212> DNA

<213> Homo sapiens

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<220>

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<222> (97)

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<220>
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cctcttccct gccaaaggttg tctctcgccct ggtgaantgg gtgacanttg cccatgagga 120
ttacatggag ctgcacttca ccaaagacat tgtggatgcg ggactggctg gggacaccaa 180
tctctactac atggcgctca tcgaaagggg cacagccaaa ctgcaggccg ctgtggtgtt 240
gaaccctggc tactcctcca tcccacctgt tttccanctc tgtttgaact ggaaaangga 300
gaaaaccaac agcaacnatin acaacattcn gggccatgga gggcga 346

<210> 301
<211> 213
<212> DNA
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<222> (202)

<223> n equals a,t,g, or c

<400> 301

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aaaaanttgg tactaccagn tattgggttcg tttacaatta ttgatggaaa tcaagtcanc 120
ggacaaaatn ctggaaacaa tttcttcctt caaaaaatct tctcngcaan aaccgactga 180
agctgccata gatttcctta cnagaattaa ata 213
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<210> 302

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

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<400> 302

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ttcaccatgg accgggaagt gcgcaaaatc aaacaaggcc tgggcttgaa atttgctgag 120
ntggtgtata cgggtttctg gcacagccct gagtgtgaat ttgtccgcca ctgcatcgcc 180
aagtcccagg agcgagtggg agggaaagtg caggtgtccg tcctcaaggg ccaggtgtac 240
atcctcggcc gggagtcccc actgtctctc tacaatgagg agctggtgag catggatgag 300
aacctcatgc acatcagcta cgangctgga atcctggaga ancccaagaa ccaagcgctc 360
cangtcttaa acgaagaccc angaccacgc caaagcccca acaaccctga catctccgag 420
atcgagttca aaaaagggtc                                     440
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<210> 303

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<400> 303

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ccccggggt gcaggacgcc atgttggggt ttgtgggtcg ggtggccgct gctccggcct 120
ccggggcctt gcggagactc accccttcag cgctcgctgcc ccagctcag ctcttactgc 180
gggccgtccg acggcggtec atcctggtga gagcacagta aggactattg ctatggatgg 240
tacagaaggc ttggttagag gccagaaagt actggattct ggtgcaccaa tcaaaattcc 300
tgttggtcct gagacttttg gcagaatcat gaatgtcatt ggagaacctt ttgatgaaag 360
aggtcccac aaaccaaac aatttgctcc cattcatgct gaggctccag agttcatgga 420
aatgagtggt gagcaggaaa tcttgtgact ggtatcaagg ttgtcgatct gctagcttcc 480
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tatgcccaagg gtggc

495

<210> 304

<211> 293

<212> DNA

<213> Homo sapiens

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<222> (284)

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<220>

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<222> (286)

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<222> (289)

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<220>

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<222> (292)

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<400> 304

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cctcgggcag aagaggagag gaggatagca gcagaagaga agaagaagca ggatgaactg 120
aaacggattg ccagagaatt ggcagaagat gacagcatat taaagtgagt gaccctgcga 180
cccactcttt ggaccagcag cggatgaata aagcttcctg tggtgtgtga aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggy cggnctntnt tna 293

<210> 305

<211> 261

<212> DNA

<213> Homo sapiens

<220>

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<220>
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<400> 305
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agggctccac gtgcagcgtc tctccgggca ccttcggggtc caggactaca actcccggca 120
gggtgcgcaa aacgaccgcc caaggcaacg gaggtcacg agaatcagca tgattcttca 180
naggctcttn aggttctcct ctgtnattcg gtcagccgctc tcagtccatt tgcggaggaa 240
cattggtgtt acagcagttg g 261

<210> 306
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<212> DNA
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<222> (147)
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<400> 306

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caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
tcttagccat ggccatcccc ttatgancgg gcgcagtgat tatangcttt cgntctaaga 180
ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacacccctt atccccatac 240
tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300
tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360
tcaatcatta aacttccttc tacacttatc tcttcacatt ctattctaac ttaatatcct 420
aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaaccoc 480
ttactttncg aaaaaccttt tt                                     502
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<210> 307

<211> 119

<212> DNA

<213> Homo sapiens

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<222> (14)

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<220>

<221> misc feature

<222> (33)

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<220>

<221> misc feature

<222> (40)
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tgtgtgnatc cctcanttgc ggagaatatt aaccatattg cagtggctca cntaccag 119

<210> 308
<211> 403
<212> DNA
<213> Homo sapiens

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<222> (375)
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<220>
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<222> (388)
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<220>
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<222> (389)
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<400> 308
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tggacacggc tgcgggtgggc ggggtcttcg acgtctccaa cgctgaccgc ctgggcttct 120
cagaggtgga gctggtgcag atggtggtgg acggagtga gctgctcatc gagatggagc 180
agcggctgga gcagggccag gccatcgacg acctcatgcc tgcccagaaa tgaagcccgg 240
cccacacccg acaccagccc tgctgcttcc taacttattg cctgggcagt gcccaccatg 300
caccctgat gttcgccgtc tggcgagccc ttagccttgc tgnagagat tccgttcaac 360
cttggtanaa ttanttttt tgatgggna agatatgctg atg 403

<210> 309
<211> 559
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
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<400> 309
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tctagaacta gtggatcccc cgggtgcag gaattcggca cgaggtttat ctcaaggcct 120
gagtagccgg taacaaacga gggttcccg gattggaccg acgcagccat gcctctgcga 180
cttgatatca aaagaaagct aactgctaga tctgatcgag ttaagagtgt ggatctgcat 240
cctacagagc catggatggt ggcaagtctt tacaatggca gtgtgtgtgt ttggaatcat 300
gaaacacaga cactggtgaa gacatttgaa gtatgtgatc ttcctgttcg agctgcaaag 360
tttgttgcaa ggaagaattg ggttgtaga ggagcggatg acatgcagat tagagtgttc 420
aattacaata ctctggagag agttcatatg tttgaagcac actcagacta cattcgctgt 480
attgctgttc atccaacca gcctttcatt ctaactagca gtgatgacat gcttattaag 540
ctctgggact gggataaaa 559

<210> 310
<211> 521
<212> DNA
<213> Homo sapiens

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<220>
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<222> (245)
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<220>
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<222> (494)
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ggctatccag cgtaactcaa agattcaggt ttactcacgt catccagcag agaattggaaa 120
gtcaaatttc ctgaattgct atgtgtctgg gtttcattcca tccgacattg aagttgactt 180
actgaagaat ggagagagaa ttgaaaaagt ggagcattca gacttgnctt tcagcaagga 240
ctggncctttc tatctcttgt actacactga attcaccccc actgaaaaag atgagtatgc 300
ctgccgtgtg aaccatgtga ctttgtcaca gcccaagata gttaagtggg atcgagacat 360
gtaagcagca tcatggaggt ttgaagatgc cgcatttgga ttggatgaat tccaaattct 420
gcttgcttgc tttttaatat tgatatgctt atacacttac actttatgca caaaatgtag 480
ggttataata atgntaacat ggacatgac ttctttataa t 521

<210> 311
<211> 591
<212> DNA
<213> Homo sapiens

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<222> (52)
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<220>
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<222> (563)
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<220>
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<222> (571)
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ggattcctga agctgacagc attcggggccg agatgtctcg ctccgtggcc ttagctgtgc 120
tcgcgctact ctctctttct ggcctggagg ctatccagcg tactocaaag attcaggttt 180
actcacgtca tccagcagag agtggaaaagt caaatttcct gaattgctat gtgtctgggt 240
ttcatccatc cgacattgaa gttgacttac tgaagaatgg agagagaatt gaaaaagtgg 300
agcattcaga cttgtctttc agcaaggact ggtctttcta tctcttgtag tacactgaat 360
tcacccccac tgaaaaagat gagtatgcct gccgtgtgaa ccatgtgact ttgtcacagc 420
ccaagatagt taagtgggat cgagacatgt aagcagcatc atggagggtt gaagatgccc 480
gcatttgatg tggatgaatt caaattctgc ttgcttggtt tttaaatantg atatgcntat 540
acacttacct ttatgcncaa aanggtaggg ntataataat ggtaacatgg g 591

<210> 312
<211> 584
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature
<222> (14)
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<220>
<221> misc feature
<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

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<222> (119)

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<222> (259)

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<222> (508)
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<220>
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<220>
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<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
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<400> 312

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aaaaaaaaaa aaaagggcgg ccgttctaga ggatccaagc ttacgtacgc gtgcatgcna 120
cgtcatagct cttctatagt gtcacctaaa ttcaattcac tggccgctcg tttacaacgt 180
cgtgactggg aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc 240
gccagctggc gtaatagcna anaggcccgcc accgatcgcc cttoccaaca gttgcgcanc 300
ctgaatggcn aatgggacgc gccctgnann ggcgcattaa gcgcggcggn tgaggtgggt 360
acgcncagcg tgaccgctac acttgccagt gccctagcgn ccgctccttt cgctttcttc 420
cctncctttc tcgccangtt cgccggcttt ccccgtaag ctctaaatcg ggggctccct 480
ttagggttcc gatttagtgc tttacggnac cttcgacccc aaaaaanttg attanggtga 540
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taatcgccct gcagcacatc cccctttcgc cagctggcgt aatagcgaag agggccgcac 240
cgatcgccct tcccaacagt tgcncagcct gaatggcgaa tgggacgcgc cctgtancgg 300
cgcatthaagc gcgggcggtg tgggtggttac ncgcagcgtg accgttacac ttgccagcgc 360
cctagcgccc gntcctttcg ctttcttccc ttcctttctc gccacgttcg ccggctttcc 420
ccgtcaagct nttaaatcggg ggctcccttt agggttccga tttagtgtt tacggcacct 480
cgaccccaaa aaactngatt agggatgatg ttcacgtagt gggccatngn cctgatagac 540
ggtttttcgc cctttgacgt tggagtccac gttcttaata gtggactntt gttccaaact 600
ggaacaacac ttaaccctat ctcgggctat tcttttgatt nataagggat ttttccnatt 660
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tgactgggaa aaccctggcg ttaccaact taatcgctt gcaanacatc cccctttcgc 240
cagctggngt natancnaaa aggccgcac cgatcgccct tccaacagt tgcgcancct 300
gaatggcaaa tgggacgcgc cctgttacgg cgcattaanc ccgnggggtg tggtggttac 360
ccccaangtt naccgctaca cttgcnagcg ccctagngcc cgctccttc gctttcttcc 420
cttcctttct cgccaantt ngccgnttt ccccgctcaan ctctaantcg ggggccctt 480
tanggttcca atttatgctt tacggcaccn caaccnaaa aactnnnta aggtatggt 540
ccacntatgg gccatncct aataaanggt tttccccct ngaaattgga atccanttct 600
taaaagggaa nctgttccaa atggaaaaaa anccaaccct atncgggct ntncctngan 660
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cttctatagt gtcacctaaa ttcaattcac tggccgtcgt ttacaacgt cgtgactggg 180
aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc 240
gtaatagcga anaggccgcg accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg 300
aatgggacgc gccctgtagc ggcgcattaa gcgcggcggg tgtggtggtt acgcgcagcg 360
tgaccgntac acttgnaagc gccctaacgc ccgntccctt cgctttcttc ccttcctttc 420
tnccacgttc gnccggtttc ccgtcaagct ctaaatcggg ggctccttta aggggtccnaa 480
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cttatttttc atataaaaat ctaaatgtgt taataaatca ttccatacaa aagtacatta 180
ttaaataacc acattattaa aataaaaaaa aaaaaaaaag ggcgggccgct ctagaggatc 240
ccaagcttac gtacgcgtgc atgcnacgtc atagctcttc tatagtgtca cctaaattca 300
attcactggg ccgtcgtttt acaacgtcgg tgactgggaa aaccctggcg ttacccaact 360
taatccgcct tgcagcacat ccccttttcg ccagctggcg taatagcgaa gaggcccgcn 420
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tatagngtca cctaaattca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 180
ccctggcggt acccaactta atcgcccttg agcacatccc cctttcgcca gctggcgtaa 240
tagcgaanag gcccgccaccg atcgcccttc ccaacagttg cncagcctga atggcnaatg 300
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cgggtcgacc cacgcgtccg gtnnanaccn atngggggnn agntctcngg nggnaaggaa 180
aatcgtgcaa agaggnanta atgaatgtgg atcacgagga tancnntta gtgnaggaan 240
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aatagtaact gggttaaaaaa caaatgttca tatttattga ttaaaaatgt gggttgcttaa 180
ttcctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgntctan 240
aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 300
attcaattca ctggccgctg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 360
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gtccaagccc cactgaaagg cctcttcaga aaactattat ctttaaagcc ctactttaac 180
tccttaattc cagcatacag ctaaaactgg atgtatatcc tggcaagtaa aggctgagga 240
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tgatgagata tcaaggtaat taaaatagca tgcttgaaaa aaaatacgta atctgtttca 360
cctgtaactg tttaagccaa taaacttttc aaaattttaa aaaaaaaaaa aagggcggcc 420
gctctagagg atccaagctt acgtacgcgt gcatgcgacg tcatagctct tctatagtgt 480
cacctaaatt caattcactg gccgtcggtt tacaacgtcg tgactgggaa aaccctggcg 540
ttaccaact taatcgctt gcagcacatn cccctttcgc agctggcgta atancnaaga 600
ggcccnaccg atcgcccttt ccaacagttg cgcagcctga atggcgaatg ggacgcgcc 660
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ganggcagan cngataccca tnagagcccc gagaat 216
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agaagcctcc ccgaccccc aagctatttg ctcacattaa caaattaaag tgcctgaagc 180
ataattcatt ctttacctgt atactaaaaa ccctgttgta ttgatttttt tataataagc 240
ctttttacct ctgtgtaaaa aatatatata caagtgtatg atgtanattt tagttcttaa 300
cttttttttta tggtttctaa tatgtatgac caatgtagcc attgctttaa aatgtaccgt 360
gtaaatataa acacatccta tcagaaaaaa aaanaaaaaa gggcggccgc tctanaggat 420
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca cctaaattca 480
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taatnngcn ttgcngg 557

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<210> 324

<211> 353

<212> DNA

<213> Homo sapiens

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acatacaaaa ccnaccceat tectcnccac actcatcgcc cttaccacgc tactcctacc 180
tatctcccc tttataactaa taatcttata aaaaanaana aaaangggcg gncgntctag 240
aggatccaag cttacgtacg cgngcatgcg acgtcatagc tcttctatag ggtcacctaa 300
attcaattca ctggccgctg ttttacaacg tngngactgg gaaaaccng gcn 353

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<212> DNA
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tgaggcagga gaatcgcttg aaccggggag gcggaggttg cggggagccg ggattgtgcc 180
actgcactcc accctagagt gagactccct ctcaaaaaaa aaaaaaaaaa actcgagggg 240
gggcccgtta cccaattcgc cctatagtga gtcgtattac aattccactg gccgtcgttt 300
tacaacgtcg tgactgggaa aaccctgggc gttacccaac ttaaatcgcc ttgcagcana 360
tcccctttcg ccagctgggt naattagcga agaggcccgc accgantcgc cttcccaaca 420
gttgcgcagt ggaatggcga atggcaantg taagcttaaa ntttgtttaa aattcgcggt 480
naaatttttg gttaaatacag ctcatTTTTT aancataagg ccgnaatcgg gaaaatccct 540
tattaaatcc aaa 553
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<211> 628

<212> DNA

<213> Homo sapiens

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tcagtaaatag tttgcagcac atgtgttaca tgtcaggcag tgaaaccccc cacagcagcc 180
ttccctctca gaggatacat ttgtaaccat tacacagtca tcagaggaat aatttttttt 240
aatcaccagt gtgcacacag tcatggagtt gggatttccc agctaccagg gaggctgagg 300
tgggaggatt gcttgatgcc aggagttagg gaatatagt caccgtgatt ggacttgcca 360
atagccactg cactgcggcc tggacgacgt agtgataccc tgactcttat aaataaataa 420

atgaataaac acannanaaa aaaaaaaggg cggccgctct agangatcca agcttacgta 480
cgccgtgcat gcgacgtcat aactcttcta taggggcacc taaattcaat tcaactggccc 540
gccgtttaca acgtctgact gggaaaaccc tggcgttacc caacttaatc gncttgacaga 600
anatcccctt ttnccaactg gnggnata 628

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<211> 416

<212> DNA

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gtactgaaag gtaaataagta ccatagtgaa ttattttctg tcttgacctta gggtttatttt 180
tattatcttc aatattagaa taaatgctaa attattttca aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa gggnggangn tctanaggat ccaagcttac gtacncgtgc atgcaangnn 300
atagntcttc tatagtgtca cctaaattca attnactggc cgtcgattna caacgtcgtg 360
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atacaccaaa tgtctgaacc tgcggttcct ctcgtactga gcaggattac catggcaaca 180
acacatcatc agtagggtaa aactaacctg tctcacgacg gtctaannna aaaaaaaaaa 240
annnaaaaaa gaattcnaaa agcttctcga nagtncttct aaancggccg cgggccccatc 300
nattttccac cggggtgggg taccaggtaa gtgtacccaa ttcgccctat agtgagtcgt 360
attacaattc actggccgtc gttttacaac gtcntgactg ggaaaaccct ggcgttaccc 420
aacttaatcg ccttgacgca catccccctt tcgccagctg gcgtaatanc gaaaaaggcc 480
gcancgatcg cccttcccaa cagtttgcg ancctgaaat ggcgaatgga aatcaatttt 540
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gtcccaagggttcatttcang gccctcaat 629

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<211> 458

<212> DNA

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aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt taccctaactt 180
aatcgccctt cagnacatcc ccctttcgcc agatggcgta atagcnaaaa ggcccgcncc 240
gatcgccctt cccaacagtt gngcagncgt aatggcnaaa gggangcgcc ctgtngcggc 300
gcattaagcg cgggcggtgt ggtgggttacg cnnagggtta ccgctncact tnccancgcc 360
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<400> 330

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agctcttcta tagngtcacc taaattcaat tcaactggccg tcgttttaca acgtcgtgac 180
tgggaaaacc ctggcggttac ccaacttaat cgcccttgacg cacatccccc ttctgccagc 240
tggcgtaata gcgaaaaggc ccgcaccgat cgcccttccc aacagttgcg cagcctgaat 300
ggcgaatggg acgcgccctg tancgngca ttaagcgcg cggtgtggt ggttacgcgc 360
agcgtgaccg ttacaattgc cagcgcccta ncgcccgcgc ctttcgtttc ttcccttct 420
ttctcgnnac gttcgccggt ttccccgtta agn 453
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<212> DNA

<213> Homo sapiens

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<400> 331

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ggcggccgct ctagaggatc caagcttacg tacgcgtgca tgcgacgtca tagctcttct 120
atagtgtcac ctaaattcaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 180
cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat 240
agcgaagagg ccgcacccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 300
gacgcgccct gtacggcgca ttaagcgcg cggtgtggt ggttacgcc agcgtnaccg 360
ntacacttgc cagcgcccta ncgccccgct ccntttcgtt ttctttccct ttccttttct 420
tggncacggt tcncggggtt tttccccgct tnaaagcctt ttaaaatcng ggggggcttc 480
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<400> 332

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ctttatccct aacatcactg tgaataatag tggatccctat acctgccacg ccaataactc 120
agtcactggc tgcaacaggg ccacagtcaa gacgatgcat agtcactgag ctaagtccag 180
tagtagcaaa gccccaaatc aaagccagca agaccacagt cacaggagat taaggactct 240
gtggaacctg gacctggttc cacaaaatgg acactggnat cttccatccc gttggttctt 300
tcaaaaaaacc aggggtnttc ccgtcctnng ggggnttnga aggtttntcc ccnggggnaa 360
aaaaccancc ttnggnntt aaancncttt tnaangnggg ggggtttttt gggangngtt 420
ttgggntntn ggggttttta aaccnntttg 450

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tggcattgtg attggagtag tggccctggt tgctctgata gcagtagccc tggcatgtnt 120
tctgcatttc gggaagaccg gcagctcagg accactccaa tgaccacact aacaagatga 180
atgaagttac ttatnctacc ctgaactttg aagnccanca acccacacaa ccaacttcag 240
cctccccatc cctaacagcc acagaaatna tttattccag aagtaaaaaa ncagtnatga 300
aacctgggtcc tgctcnctgc agtgccctgat gtntttncaa gtctctcacc ccccatcact 360
aggaaattcc tttcccctgt tngggtaaag ggtggggana gaaancaatt tctcctactc 420
tcctncctat agga 434

<210> 334
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<212> DNA
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<222> (565)
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<222> (583)

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<221> misc feature

<222> (606)

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<400> 334

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tccccaaagg gacgtggcca ccccgtaac ttgtttctgc ctgccacaat gaacgcctgg 120
atgtgcccgt gtgggacgtg gaagccaccc tcaacttcct caaggccac ttctcccca 180
gcaacatcat cctggacttc cctgcagctg ggtcaacttg cccgagggat gtgcagaatg 240
tggaagccg ccccaaactg gcgatggag ccctggagct ggaaagccg aattcaactc 300
tggaacctg gaagcctgag atgatgaagt cccccacaaa caccaccca catgtgccgg 360
ctganggacc tgaggcaagt cgacccccga agcttgacc ctggcctaaa acttgaccag 420
gccaggaacc ctctgancac aatggcaaaa gcttnaaagg aatgaaccag gaancaagcc 480
gntttgggca atnggnact ttgagccaaa gccgaagaac accanggggc ttggatttgn 540
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<210> 335

<211> 462

<212> DNA

<213> Homo sapiens

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<222> (337)

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<222> (358)

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agggtaagga aggaatgtgc tagaagtgtc cctagtttct tgtaaaggaa gccagagttg 120
acagtacaaa gggtcgtggc cagccctgca gcttcagcac ctgccccacc cagagtggga 180
gtcaggtgga gccacctgtt gggctcccc agaactttgc acacatcttg ctatgtatta 240
gccgatgtct ttagtggtga gcctctggat tctgggggtc gggccantgg ccatagttaa 300
acctgggaat gaatggtact tgaacatctg ggcttgncag ccacaaggaa aggccaancc 360
catgtacccc aancattctt gccaacctt gctctgggca ttcccgaag ggtcgatcct 420
taggcttngc tttaaaagcc cttgcccttg cctttntctt gg 462

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<212> DNA
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aatgaattaa gaagcttcaa aaggcagctc tcttgaaagc ttctcccaaa aaacacctgg 120
tactaagggt actgctgctg ctgctgctgc tgctgctgct gctgctaaan tccancnaaa 180
aanatcaccg cccganttaa aagntccncc caaaagtctt gcccaaaaan cccaggccaa 240
aaacacgctg ctccaaaactc anaggtcaaa actcncccaa aaccctctcc aangctctgc 300
aaaaagctta ttgcatacnta aaattataag gtctnn 336

<210> 337
<211> 303
<212> DNA
<213> Homo sapiens

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<222> (25)
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<223> n equals a,t,g, or c

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<222> (267)

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<400> 337

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tgananngan aactcagtag aagataatgg caagtccaga ctggggatat gatgacaaan 120
atggtcctga acaatgggagc aagctgtatc ccattgccaa tggaaatnac cagtcccctg 180
ttgatattnn gnccagtga accaaacatg acacctctct ganacctatt agtgtctcct 240
acaaccanc cacagnnaaa gaaattntcc aatgtggggg cattccttcc atgtaaattt 300
ttg 303
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<210> 338

<211> 460

<212> DNA

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ttcagaaaaa gaaaactcag tagaagataa tggcaagtcc agactgggga tatgatgaca 120
aaaatggtcc tgaacaatgg agcaagctgt atcccattgc caatggaaat aaccagtccc 180
ctgttgatat taaaaccagt gaaaccaaac atgacacctc tctgaaacct attagtgtct 240
cctacaaccc agccacagcc aaagaaatta tcaatgtggg gcattccttc catgtaaatt 300
ttgaggacaa cgatnaccga tcaagtgtctg aaaggtgggc ctttctctga cagctcaggc 360
tctttcagtt ccattttcac tggggcagtc aaaatgagca tgggttaana acattccagt 420
ggnntgggag tcnaaatatt ctggccgagc ttnnacgtaa 460
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<211> 416

<212> DNA

<213> Homo sapiens

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<222> (403)
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<400> 339

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ggcaaacaca acggacctaa gcactggcat aaggacttcc ccattgcca ggaagagcg 120
ccagtncccc tgttganatc gacactncat acagccaagt ntgaaccctt ccntgaaagc 180
ccctgtttgt ttcctatgaa tcaagcaact tccctgagga tcctcaacaa tggcatgct 240
ttcaacgtgg gagtttgnat gactctnnag gacaaagcag tgcttcaagg gaaggacccc 300
tgggttgggc actttacaga ttggttttca ttttttcaat tttcaatggg ggtttcaatt 360
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<210> 340

<211> 362

<212> DNA

<213> Homo sapiens

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<222> (117)

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<222> (357)

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ataccaggtc aaacanttgc acctgcactg gtccgacttg ccatataagg gctcggngca 120
cagcctcgaa tgggngcac ttgccatgg gagatgcaca tagtacatgn gaaaagagaa 180
ggggacatcg aggaatgtga naanagggcc caggaaccct gaagacgaaa ttncggtgct 240
gggcctTTTT ggtgggaggc tgggaacca ggtgaaacga gggctttcca gccactggtg 300
ggaggcactn tcttaatat ccccaaacct nnggntgnng cattacgatt ggcaganagg 360
ca 362

<210> 341

<211> 328

<212> DNA

<213> Homo sapiens

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<222> (152) \\\n/ <223> n equals a,t,g, or c

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<222> (171)
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<220>
<221> misc feature
<222> (184)
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<221> misc feature
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<220>
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<222> (325)
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<400> 341
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gaattcggct ggctcatccc caaggatcatg angatctatg ataccagaa ngaaatggac 180
aganangcct ccangctgc tctgcagaaa atgttaacgc tgctgatttg cctcctacat 240
ttggtgacct gctgaaggaa gaattcattt gggganaatn gggatcccca aaacccccaa 300
acncatttcc nggaaaataa ttgcngaa 328

<210> 342
<211> 140
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (33)
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<220>
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<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
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<222> (129)
<223> n equals a,t,g, or c

<220>
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<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 342
aangggactt nccagtgatg cacccaagag ctntttatcc ccaacatcac tgtgaataat 60
aggggatccn atncgtgcc agcccataac tctacactgg ccttaatagg agcacagtca 120
cgaatatcnn agtctatgcn 140

<210> 343
<211> 477
<212> DNA
<213> Homo sapiens

<220>
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<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
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<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 343
gggacagcag agctgacagt cacagcagcc ctgacaagag agttcctgga gcccaagctc 60
ttctccacag aggacaagca ggcagcagag accatgggggt ccccttcagc ctgtccatac 120
agagtgtgca ttccctggca ggggctcctg ctcacagcct cgcttttaac cttctggaac 180
ctgccaaaca gtgcccagac caatattgat gtcgtgccgt tcaatgtcgc agaagggaag 240

gaggtccttc tagtagtcca taatgagtcc cagaatcttt atggctacaa ctggtacaaa 300
ggggaaaggg tgcattgcaa ctatcgaatt ataggatatt gtaaaaaata taagtcaaga 360
aaatgcccac ggcccacac aacgtcgaga gacatntacc caatggaacc ttgtgttcca 420
nacgtaccac atgcnagga tttttcctca ctataaaaana aanttgatg agaatac 477

<210> 344

<211> 389

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (2)

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<220>

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<222> (3)

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<220>

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<220>

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<220>

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
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<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<400> 344

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ctccaccgcg gtgcgaccgc tctagaacta gtggatcccc cgggctgcag gaattcggca 120
cgaggccggc cggggctggc acgnncgccc cggcggggnc tggaggcgcg accgggccc 180
cccgagcggg aatcagaacg ncgccgaggg gaccagatca acgccagcaa gaacgaggag 240
gacgcgggaa aaatgttcgt tgggtggcctg agctgggata ctagcaaaaa agatttaaaa 300
gactatttta cttaaatttg agaggctcgtt gactgtacaa taaaaatgga tcccaacact 360
ggacgggtcaa gaggggttng gtttatocct 389
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<210> 345

<211> 152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

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<220>
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<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<400> 345
tcgacccacg ngtcgggggc gcaccatggc ccgnggggct gngctggngc tgctgtcttt 60
nggncgtgctg ggtgttcttg tcgncgnccc ggatggtggt ttcgatttat ccgatgccct 120
tntcgacaat gaaaacaaga aaccactgc aa 152

<210> 346
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 346
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catatcccaa gtcattctcag aaattgatgg taacaggatg accttgagcc aagaaggagc 120
acaagattcc ttccctcttc agcagaagat cttggtttgc tctttgatgc tcttgatcag 180
gcagttgaaa atcaaagagg tcaactctggg gaagttatat gaagcctaca gtaaagtctg 240
tcgcaaacag cagggtggcgg ctgtggacca gtcagagtgt ttgncacttt cagggtctctt 300
ggaagccagg ggcatcttag gattaaagag aaacaaggaa acccgtttga caaagggtgtt 360
tttcaagatt gaagagaaaag aaatagaaca tgctctgaaa gataaagctt taattggaaa 420
tatcttagct actggattgc cttaaattct tctcttacac cccacccgaa agtattcaag 480
ctggcattta nagagctaca ggcttcattt taaggcttta cacattcggg cctgaaaaca 540
aatatgacct tttttacttg aagccaatga attttaatct atagancntt aaaattanca 600
cagaataata tcnttggggc ntactatctt accc 634

<210> 347
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

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<220>

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<222> (319)

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<220>

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<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<400> 347

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ttgaggacct aagtcctgac tgcttgggac atgcaggact tgtatatgag tatacatttg 120
gagaagttca cctttattga gaagtgtaac aaccctcgtt ctatcacatt attgatcaaa 180
ggaccaaata agccacact tagatcaaag atgcagtaaa gggatgggct tgnagggctg 240
tncaaaaatg ctgttgatga tggctgtntg gttccgggtg ctggtgctgt ggaagtggca 300
atggcagaag ccctggatna annnnaantc catgtaaagg gcaaggcaca gttgggggtcc 360
agc 363

<210> 348
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 348
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attcggacaa atacgacgac gaggagtttg agtatcgggt agtgctggcg cgggagcaat 120
agcgagggtc gtgagctttg gccgctgagg gcacaaggaa ttagtaacag gaactgaggc 180
gatagaattg gcgcatgcgt atganacatg tcatgctgcc caaggacata gccaagctgg 240
tccctaaaac ccatctgatg tctgaatctg aatggaggaa tcttggcggt cagcagagtc 300
agggatgggt ccatttatatg atccatgaac cagaacctna aatnttgctg ttccgggggcc 360
attnccagga accaaggaat tnagtttc 388

<210> 349
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (51)
<223> n equals a,t,g, or c

<220>
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<222> (57)
<223> n equals a,t,g, or c

<220>
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<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
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<222> (124)
<223> n equals a,t,g, or c

<220>
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<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<400> 349

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taatttnang cagngcgcca gcnggatggg ncacaagcag atatactact cggacaagta 120
cttngangaa cactacgagn accgggatgg tatgttacct agagaacttg acaaacaagn 180
acctaaaact natc 194
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<210> 350

<211> 524

<212> DNA

<213> Homo sapiens

<220>

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<222> (9)

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<220>

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<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

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<220>

<221> misc feature

<222> (29)

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<220>

<221> misc feature

<222> (85)

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<222> (98)

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<222> (101)

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<220>

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<222> (148)

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<220>

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<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<400> 350

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ctagtgggtc ccccgggcct gcagnaattc ggcagtgnccg naaagcccta cggcgctact 120
gcaatgtgct ggaactggga gcaagtgnca gcggctggac ggcacccctga gtcgagacca 180
ttccgattca cgggcgcggc aacttcccca cgctcgagct gcagccgagc ctgtatcgtn 240
aaggtggtgc ggcggcgnc tgcgcgagaag cgcacccggcg tccgcgacgt gcgcctcaac 300
ggctcggcag ccagccatgt cctgcaccag gacagcggcc tgggctacaa ggacctggac 360
ctcatcttct gcgccgacct gcgcggggaa ggggagtttc agactgtgaa ggacgtcgtg 420
ctggactgcc tggtggactt cttacccgag ggggtgaaca aagagaagat cacaccactc 480
acgntcaagg aagcttatgt gcagaaaatg gttaaagtgt gcaa 524
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<210> 351

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 351

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gccaaatcct ttgaatactg ngccaggatt ttttaagcaac actttatgga cagcagaata 60
ccttgcttaa tcgtagctgc aaagtcagac ctgcatgaag tttaaacaaga atacagtatt 120
tcacctactg atttctgcag gaaacacaaa atgcctccac cacaagcctt cacttgcaat 180
actgctgatg cccccagtaa ggatatcttt ggtaaattga caacaatggc catgtatccc 240
catgcccggt tacgctgtat ntgcacctgc aacagggtgta cattttgcat ntgtnaaaac 300
ttcctcaact tatactttgc tgcaaantng gtaaaagaac aaaaatcntt tc 352
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<210> 352

<211> 632

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 352

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agnnaganac caaccctcac taaaggggaac aaaagctgga gctccaccgc ggtgcgggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggtgtg tcagaacaat 120
cttgaatcat gaagctacta accagagccg gctctttctc gagattttat tccctcaaag 180
ttgcccccaa agttaagcc acagctgcgc ctgcaggagc accgccacaa cctcaggacc 240
ttgagtttac caagttacca aatggcttgg tgattgttctc tttggaaaac tattctcctg 300
tatcaagaat tggtttggtc attaaagcag gcagtagata tgaggacttc agcaatttag 360
gaaccaccca tttgctgcgt cttacatcca gtctgacgac aaaaggagct tcctctttca 420
agataacccg tggaattgaa gcagttggtg gcaaattaag tgtgaccgca acaagggaaa 480
acatggctta tactgtggaa tgcttgcggg gtgatgttga tattctaata gagttcctgc 540
tcaatgtcac cacagcacca gaatttcgtc gttgggaagt agctgacctt cagcctcagc 600
taaagattga caaagctgtg gcctttcaga at                                     632
```

<210> 353

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<400> 353

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ctttaactcc accattagca cccaaagcta agattctaata ttaaactatt ctctgttctt 60
tcatggggaa gcagatttgg gtaccaccca agtattgact caccatcaa caaccgctat 120
gtatttcgta cattactgcc agccaccatg aatattgtac ggtaccataa atacttgacc 180
acctgtagta cataaaaaacc caatccacat caaaaccccc tccccatgct tacaagcaag 240
tacagcaatc aaccctcaac tatcacacat caactgcaac tccaaagcca cccctcacc 300
actaggatag caacaaacct acccaccctt aacagtacat agtacataaa gccatttacc 360
gtacatagca cattacagtc aaatcccttc tcgtcccat ggatgacccc cctcagatag 420
gggtcccttg accancatcc                                     440
```

<210> 354

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<400> 354

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ctctagaact agtggatccc ccgggctgca ggaattcggc acgagccgga ggggtgtgtgt 120
tgggcaaagc cggaggagna ggaggacgat tgttttacgg atcccgtgat cggcccgtcc 180
ttctccccctt tccccctcc ctaccgcccc tgtcccgcgc gggagcggcg gcggccttgg 240
actttgctgt ctttcctcgc ggagacagat ttcaacacta cacttgcaaca atgtctttga 300
aaccaagagt agtagatttt gatgaaacat ggaacaaact ttgacgaca ataaaagccg 360
tggtcatgtt ggaatacgtc gaaagagcaa catggaatga ccgtttctca gatattctatg 420
ctttatgtgt ggcctatcct gaacccttg gagaaagact ttatacagaa actaagattt 480
ttttggaaaa tcatgttcgc catttgcata agagagtttt ggagtcagaa gaacaagtac 540
ttgttatgta tcataggtac tgggaagaat acagcaaggg tgcagactat atggactgct 600
tatataggt                                     609
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<210> 355

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 355

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gctccattat tgatcgggttc atgcagaata attgtgtgcc caagaagatg ctgcagctgg 60
ttggtgtcac tgccatgttt attgcaagca aatatgaaga aatgtaccct ccagaaattg 120
gtgactttgc ttttgtgact gacaacactt atactaagca ccaaatacaga cagatggaaa 180
tgaagattct aagagcttta aactttgggtc tgggtcggcc tctacctttg cacttccttc 240
ggagagcatc taagattgga gaggttgatg tcgagcagca tactttggcc aaataacctga 300
tggaactaac tatgttggac tatgacatgg tgcactttcc tccttctnaa attgcagcag 360
gagctttntg cttagcactg aaaattctgg gataatgggtg aatgggttatg cagcacctgg 420
ctaagaatgt agtcatgggt aaatcaaggn nttacaaagc acatgc 466
```

<210> 356

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<400> 356

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ggtgatgagg aggcttgtcc agaggacaag ggaccccagg acccacaggc actggcgctg 60
gacaccaga tccctgcaac ccctggaccc aaacccctgg tccgcaccag ccgggagcca 120
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gggaaggacg tcacgacctc aggggtactcc tccgtcagca ccgcaagtc cacaagctcc 180
gtggacggtg gcttgggggc cctgccccaa cctacotcag tgctgtccct ggacagtgc 240
tcgcacacac agccctgcca ccatcaggnc aggaagtcac gtttacagtgc tgcgtcccca 300
agtcccccg agagcagtgt tccccagcaa cagggtgaagc ggataaacta tgcatacaca 360
gtgaagagga ggacntgaan ctgggcttgt gaagctgtaa gtgtgtcagc acatttgccg 420
agtggatttt actgangggg tgaagng 447

<210> 357

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

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<222> (453)

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<222> (486)

<223> n equals a,t,g, or c

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<220>

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<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<400> 357

tnccacgcgt ccgcccacgc gtccgcccac gcgtccgcag attccctccg tcgccgccaa 60
gatgatgtgc ggggcccct ccgccacgca gccggccacc gccgagacc agcacatgc 120
cgaccagggtg aggtcccagc ttgaagagaa agaaaacaag aagttccctg tgtttaaggc 180
cgtgtcattc aagagccagg tgggtcgggg gacaaactac ttcacaaagg tgcacgtcgg 240
cgacgaggac ttctacacc tgcgagtgtt ccaatctctc cctcatgaaa acaagccctt 300
gaccttatct aactaccaga ccaacaaagc caagcatgat gagctgacct atttctgac 360
ctgacttttg acaaggccct tcagccagaa gactgacaaa gtcacccctc gtctaccaga 420
gcgtgcactt gtgatcctaa aataagcttc atntccgggc tgtgccctt ggggtggaag 480

gggcangatt ntgcantcgn ttttgcattt

510

<210> 358

<211> 240

<212> DNA

<213> Homo sapiens

<400> 358

ggtcttgcac tcatgagctg tccccacatt aggettaaaa acagatgcaa ttcccggacg 60
tctaaaccaa accactttca ccgctacacg accgggggta tactacgggc aatgctctga 120
aatctgtgga gcaaaccaca gtttcatgcc catcgtccta gaattaattc ccctaaaaat 180
ctttgaaata gggcccgtat ttaccctata gcacccccctc tacctcctct agagccaaaa 240

<210> 359

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

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<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 359

ggcagagct cataaggaaa tctacccccta tgtcatccag gaacttagac caactttaaa 60
tgaactggga atctccactc cggagggaact gggccttgac aaagtgtaaa ccgcatggat 120
gggcttcccc aaggatttat tgacattgct acttgagtgt gaacagttac ctggaaatac 180
tgatgataac atattacctt atttgaacaa gttttccttt attgagtacc aagccatgta 240
atggtaactt ggactttaat aaaaaggaaa tgagtttgaa ccggaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaagaaaaa aaagaaggga nagnnaanaa 340

<210> 360
<211> 501
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
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<222> (242)
<223> n equals a,t,g, or c

<220>
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<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
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<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 360
cccacgcgtc cgcccacgcg tccgatgcct atcatatagt aaaaccacgc ccatgacccc 60
taacaggggc cctctcagcc ctctaatga cctccggcct agccatgtga tttcacttcc 120
actccataaa gctcctcata ctaaggnta ctaaccaaca cactaaccat ataccaatga 180
tggcgcgatg tnacacgaag aaagcacata ccaagggcac cacacaccac ctgtccaaaa 240
angncttcga tacgggataa tcctatttat tacctcagaa gtttttttct tcgcaggatt 300
ttctgagctt ttacactcca gcctagccct acccccaact aagaaggnac tggccccaac 360
aagnatcacc cgctaaatcc ctanaatcca ctccataaca ctccgtatat cgatcaggat 420
atcatcactg actcacatat ctaatagaaa aaacngaaac aatantcanc atgnttatta 480
aatttatggt ntctatttac c 501

<210> 361
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 361
gccccattat tcctagaacc aggcgacctg cgactccttg acgttgacaa tcgagtagta 60
ctcccgattg aagcccccat tcgtataata attacatcac aagacgtctt gcactcatga 120
gctgtcccca cattaggctt aaaaacagat gcaattcccg gacgtctaaa ccaaaccact 180
ttcaccgcta cacgaccggg ggtatactac ggtcaatgct ctgaaatctg tggagcaaac 240
cacagtttca tgcccatcgt cctagaatta attcccctaa aaatctttga aataggggccc 300
gtatttacct tatagcacc cctctacccc ctctagagcc aaaaaaaaaa aaaaagntnc 360
aagnttnaaa aaactgaaaa tcagaaaagn ttt 393

<210> 362
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<400> 362

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acgccctcat aatcattttc cttatctgct tcctagtcct gtatgccctt ttcctaacac 120
tcacaacaaa actaactaat actaacatct cagacgctca ggaaatagaa accgtctgaa 180
ctatcctgcc cgcatcatcc tagtcctcat cgccctccca tccctacgca tcctttacat 240
aacagacgag gtcaacgata cctcccttac catcaaatca attggccacc aatgggtactg 300
aacctacnaa gtacaccgac tacggcggac taatcttcaa ctctacata cttccccatt 360
attcctagaa ccaggcgacc tgcgactcct tgacgttgac aatcgagtag tactcccgat 420
tgaagccccc attcgtataa taattacatc acaagacgct ttgcactcat gagctgtccc 480
cacattaggc ttaaaaaacag atgcaattcc ccgacgtcta aaccaaacca ctttnaccgg 540
tacacgaacc nggggtatta ctacggncaa tgctctgaaa tctggggagc aaaaccacag 600
gttcatgccc atcgtcctag aaataaattc ccctaaaaat cnttgaaaaa aggggcccgn 660
antt 664
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<210> 363

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 363
gcgcaagtag gtctacaaga cgctacttcc cctatcatag aagagcttat cacctttcat 60
gatcacgccc tcataatcat ttcccttata tgcttcctag tcctgtatgc ccttttccta 120
acactcacia caaaactaac taatactaac atctcagacg ctcaggaaat agaaaccgct 180
tgaactatcc tgcccgccat catcctagtc ctcacgccc tcccatccct acgcatcctt 240
tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg ccaccaatgg 300
tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta cataacttccc 360
ccattattcc tagaaccagg cgacctgcga ctccttgacg ttgacaatc gagtagtact 420
cccgattgaa gccccattc gtataataat tacatcacia gacgtnttg cactcatgag 480
ctgtncacc attaagctta aaaacagatg cattnccgga cgtctaaacc aaaccacttt 540
caccgataca cnaaccngng ggtatacnac cggatcaatgc ttctgaaatc ttgtg 595

<210> 364
<211> 441
<212> DNA
<213> Homo sapiens

<400> 364
acaagacgct acttccccta tcatagaaga gcttatcacc ttctatgatc acgccctcat 60
aatcattttc cttatctgct tcctagtccg gtatgccctt ttcctaacac tcacaacaaa 120
actaactaat actaacatct cagacgctca ggaaatagaa accgtctgaa ctatcctgcc 180
cgccatcatc ctagtcccta tcgccctccc atccctacgc atcctttaca taacagacga 240
ggtcaacgat cctcccttt accatcaaatt caattggggc accaatggta ctgaacctac 300
gagtacaccg actacggcgg actaatcttc aactcctaca tacttcccc attattccta 360
gaaccaggcg acctgcgact ccttgacgtt gacaatcgag tagtactccc gattgaagcc 420
cccattcgta taataattaa c 441

<210> 365
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 365
catacttccc ccattattcc tagaaccagg cgacctgcga ctccttgacg ttgacaatcg 60
agtagtactc cggattgaag cccccattcg tataataatt acatcacaag acgtcttgca 120
ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 180
aaccactttc accgctacac gaccgggggt atactacggg caatgctctg aaatctgtgg 240
agcaaaccac agtttcatgc ccatcgctct agaattaatt cccctaataaa tctttggaaa 300
tagggcccggt atttacccta tagcaccgcc tctaccgcc ctagagncaa aaaaaaaaaa 360
annagnn 367

<210> 366
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 366

ttttcgaggc caacgatccc tcccttacca tcaaatcaat tggccaccaa nggtaccgaa 60

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cctacgagta caccgactac ggcggactaa tcttcaactc ctacatactt cccccattat 120
tcctagaacc aggcgacctg cgactccttg acgntgacaa tcgagtagta ctcccgattg 180
aaacccccat tcggataata attacatata nggacgtctt gcactcatga gctgccccac 240
attaggctta aaaacagatg caattcccgg acgtctaaac caaaccacta tcaccgctac 300
acgaccgggg gtatactacg gncaatgctc tgaaanctgn ggagcaaacc acagnntcat 360
gcccatcggc ctagaatnaa ttcccctaaa aatctttgaa atagggcccg nantnaccct 420
atagcacccc ctctaccccc tctagagcca aanaaaaaaa 460
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<210> 367

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 367

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gcaagntgac acnaaccctc actaaagggg acaaaagctg gagctccacc gcggtgcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagggg atggcgggctt 120
ccatctctga ggcgagcgac gctatggatc ccacagtggg ttgctaagaa ggccattttc 180
aactctccac tggaggctgc tatggcgttc cctcacctgc agcagcccag ctttctactg 240
gctagcctga aagctgactc tataaataag ccctttgcac agcagtgccg agacttggtt 300
aaagtcattg aggactttcc agcaaagtct gaaccaatca gagtccctgt gactggagca 360
gctggtcaaa ttgcatattc actgctgtac agtattggaa atggatctgt ctttggtaaa 420
gatcagatgt catcgcaaca gataaagaag acgttgccct caaagacctg ggatgtggcc 480
attcttgtgg gctccatgcc aagaaggga ggcatggaga gaaaagattt actgaaagca 540
aatgtgaaaa tcttcaaadc ccagggtgca gccttagata aatacggcaa gaagtcagtt 600
aaaggttatt 610
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<210> 368

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<400> 368

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caccacctga atgcagagga aaatctctaa ctccaagggt cccaccaaca gttcagaaac 120
ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa 180
aaaccaccac accaaatgct caagggtacag agactccatc agttcttcaa aaacacacca 240
cagaaaatgt ttcagctaca agaacccccac caactcctca gaaaccacc acagtaaagt 300
tcccagctac aatagtcaca ccaacacctc agaaacccac cacattaatg ttccagttac 360
aggagtctcn tcaacacntc aagncacacc tagtaatgtt tcagttacag gncctaccac 420
ttttcgganc ccaccggggc aatgttcgnc accattcccg cgcgttcggc ntttctttca 480
aaaccttttn caagnccttt tgcgttagat cctgtggcat gttttgtnc cggcccttac 540
ggccaggt 548

<210> 369
<211> 538
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 369
gatggcgcgg anccgggacg cgcgtacgcc ctgctgcttc tcctgatctg ctttaacggt 60
ggaagtggac ttcacttaca ggtcttaagc acaagaaatg aaaataagct gcttcctaaa 120
catcctcatt tagtgcgga aaagcgcgcc tggatcaccc ccccggtggc tcttcgggag 180
ggagaggatc tgtccaagaa gaatccaatt gccaaagatac attctgatct tgcagaagaa 240
agaggactca aaattactta caaatacact ggaaaaggga ttacagagcc accttttggt 300
atatttgtct ttaacaaaga tactggagaa ctgaatgtta ccagcattct tgatcgagaa 360
gaaacaccat tttttctgct aacagggtta cgctttggat gcaagaggga acaatgtaga 420
ganacccttt agagctacgc attaaggnt cttgatatcc aattgncaac ggaaccagt 480
gttcacacag ggatgtcttt gttggggcct gttgaagagt ngagggtgcag nacatacn 538

<210> 370
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<400> 370
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agtccgtggc cgggagcttg gaggctgagt ttgacaaagc tgcagaggag gttaggcacc 120
ttaagaccaa gccatcggat gaggagatgc tgttcactta tggccactac aaacaagcaa 180
ctgtgggcca cataaataca gaacggcccc ggatggttga cttcacgggc aaggccaagt 240
gggatgcctg gaatgagctg aaagggactt ccaaggaaga tgccatgaaa gcttacatca 300
acaaagtaga agagctaaag aaaaaatacg ggatatgaga gactggattt gggtactgtg 360
ccatgtgttt atcctaaact gagacaatgc cttgtttttt nctaataaccg tggatggttg 420
gaatccggga aaataaccag ttaaaccagc tactcaaggc tgctcaccat acggctctaa 480
cagattaggg gntaaaacgn ttactgactt ccttgagtag ttttacctga aaccantt 538

<210> 371
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 371
gctgtgcct acacaccacc ntcgngaaa gctgtgcagc gcattgcnga gtctcacng 60
cagtctanca gcaatttgaa tgagaaccan gcctcagagg aggagganga gcngggggag 120
ctncgggagc tgggttatcc nagagaggaa gatgaggagg aagaggagga ngatgaagaa 180
gaggaagact angaggacag ccangctgaa gaccngagcg gaga 224

<210> 372
<211> 459
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (429)
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<400> 372
aacttnccca atgccgaact gggaggcccc tttaaccaga tgaacggagt gnccggaaat 60
ggcatgaaca acattgacat gactggagan aagaagtcgt tgganctccc atatcccagc 120
agctttgctc ccgtctctnn acctagaaac cagaccttca cttacatggg caagtnctcc 180
attgaccctc agtaccctgg tgccagcngc taccacagaag gcataatcaa tattgtgagt 240
gcaggcatct tgcaaggggt cacttcccca gcttcaacca cagcctcatc cagcgtcacc 300
tctgcctccc ccaaccact ggccacanga cccctgggtg tgtgcaccat gtcccagacc 360
cagcctgacc tggaccacct gtactctccg ccancgcctc ctccctcctta ttctggctgt 420
gcaggaganc tctaccagga cccttctgcg ttccctgtta 459

<210> 373
<211> 422
<212> DNA
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<220>
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<220>
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<222> (47)
<223> n equals a,t,g, or c

<220>

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<220>
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<222> (78)
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (351)
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<222> (359)
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<220>
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<222> (393)
<223> n equals a,t,g, or c

<220>
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<222> (401)
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<400> 373
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ccctcncggn tgcttctngt ttttaanact tccagatcga tcctntcctc ggtaccgtgg 120
gctttgggtc tggcctccac ggggtgggct tcaccctgaa agcagtttgc cgagaatgta 180
tgtgagccaa gttcgccgcc aagggggagg gccagttggg agcctgccga gcggggccaag 240
aaagtagagg acatgatgaa gaagctntgg ggtgacaggt gagccccggg gaatatggtg 300
ggggattcct gaaaactggg ggtagtggca ncaacgtagg ggcgtgggtg nctattcana 360
attggttcaa gccacaagt ttgcccata atnttcctt ngggaccaac ttcccaagta 420
at 422

<210> 374
<211> 342
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
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<222> (17)
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<220>
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<220>
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<220>

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<222> (301)

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<220>

<221> misc feature

<222> (305)

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<220>

<221> misc feature

<222> (325)

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<220>

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<222> (332)

<223> n equals a,t,g, or c

<400> 374

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gagtatcatc cagccgatgg ctatgcgttc agtagcaaca ttacacaag aggatcccac 120
ctggaccaag gggaagctgc tggtgctttt aagccaactt ctaatcgcca tattagattg 180
aaattatgaa ccaactccaaa acacaaccca agaaatatgc ccaatcccag ttatgacttt 240
gtttgccagg ggaaacaaca gttgagctct ccgggttcct taaggaatga tntttttaga 300
naatnccttg aaatgaatcg gaaancatgg tngaaaaagt tt 342
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<210> 375

<211> 387

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

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<222> (366)
<223> n equals a,t,g, or c

<220>
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<400> 375
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tatattgaga agaacgataa gctttgtcac atggacacaa ttgactggag ggacatcgtg 120
agggaccgag atgctgagat agtgggtgaag gacaatggca gnaagctgtc cccctgtca 180
tgaggtttgc aaggggcgat gctgggggtcc tggatcagaa gactgccaga cattgaccaa 240
gaccatctgt gcttcctcag tgtaattggt cactgctttg gggccaacc ccaaccagtg 300
gttgncatga tgagtgtggc cgggggttgt ttcangggcc cttcagggaac acagactgtt 360
tttgnntggc cgggnatttca atggaca 387

<210> 376
<211> 492
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (203)
<223> n equals a,t,g, or c

<220>
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<222> (318)
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<220>

<221> misc feature

<222> (336)

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<220>

<221> misc feature

<222> (405)

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<220>

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<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 376

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ttggatgata aattcagtaa agatacaggc ataatcctta tatgcaaatn agttgatggg 120
tattttctat ggtgatttca gacaaggaac ctgcagggtca ctctggaaga tggttacatt 180
gaattgagca ccagcgatag ggncggccca atttttaaat ctccacagac gtatatggat 240
ggtttactgc attatgtatc tgtaataagc gacaactctg ggtgagtoga ataaatactt 300
ctgtcagagc tgtgagtnga gttttactct ctnttngttt taatggaatt ttctgggtgc 360
tttttgcaaa aaatttgtcc ttgattacca aaaatacttt cactnataag tcttgnctt 420
ctttcctttt ttcccatatn caanttttct tcataaaaaa aataaacttg ccacacatgg 480
gtgggcttca tt                                         492
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<210> 377

<211> 336

<212> DNA

<213> Homo sapiens

<220>

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<222> (4)

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

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<222> (66)

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<220>

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<222> (70)

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<220>

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<222> (197)

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<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>
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<222> (249)
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<220>
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<222> (280)
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<220>
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<222> (292)
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<220>
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<222> (308)
<223> n equals a,t,g, or c

<220>
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<222> (325)
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<400> 377
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cccgcntgtn tgtccccaga gccatggaga gagccagtct gatccagaag gccaanctgg 120
cagagcaggc cgaacgctat gaggacatgg cagccttcac ganaggcgcc gtggagaagg 180
gcgaggagtc tcctgcnaag agcgaaacct gctctcagta gcctatnana ncgtggtggg 240
cggccagang gctgcctgga ggggtgctgtc cagtattgan cagaaaagca angaggaggg 300
gttcgganag gagaaggggc ccgangtgcg ttgaat 336

<210> 378
<211> 488
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
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<220>
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<222> (9)
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<220>
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<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

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<222> (43)

<223> n equals a,t,g, or c

<400> 378

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cngtcagtna cggtagccggn aattccccggg tgcgnaccca cgnccgtgccg ccgagaccgc 60
tgccttgctc ggaaggggggc gagcggctgc tgcccaccca gaagcagccc gggggcgggc 120
aggtcaactc cagccgctac aagacggagc tgtgccgccc ctttgaggaa aacgggtgcct 180
gtaagtacgg ggacaagtgc cagttcgcac acggcatcca cgagctccgc agcctgacct 240
gccaccccaa gtacaagacg gagctgtgcc gcaccttcca caccatcggc ttttgcccct 300
acgggccccg ctgccacttc atccacaacg ctgaagagcg ccgtgccctg gccggggccc 360
gggacctctc cgctgaccgt ccccgccctcc agcatagctt tagtttgctg ggtttcccag 420
tgccgctgcc accgcccgtg ccaccggggt gctggacagc ccacgtccat caaccacaacc 480
cctattttt
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<210> 379

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

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<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<400> 379
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ctgccctccg tgcctctctg ctgccgcagt cgctggcggc ggcgggcgcg ttcccgcgc 120
gcantaacag ccaggagtcc aaaactactt acctggaaga ccttcaccca cccctgagt 180
atgaattggc cccgtccaag ttagaagagg aagtggatga tgtctttctc attcgagctc 240
aaggactgcc ctgggtcatg gcaactatggg aagatgtggc ttttaacttt tttttccaga 300
cttgacagaat ccggcaacgg ttgagtaatg ggaattacat ttttctccct aaaaacaaga 360
gatgggggaa aacgtaaggg ggtnnntggc cttnaatt 398

<210> 380
<211> 455
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<222> (421)
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<222> (442)
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<220>
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<222> (447)
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<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 380

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tcgtgtcccg cccaccgag aaaaccgtct tcaccgtctt catgctagct gcctctggca 120
tctgcatcat cctcaatgtg gccgaggtgg tgtacctcat catccgggcc tgtgcccgcc 180
gagcccagcg ccgctccaat ccaccttccc gcaagggtc gggcttcggc caccgcctct 240
cacctgaata caagcagaat gagatcaaca agctgctgag tgagcaggat ggctccctga 300
aagacatact gcgcncaacc ctggcacggg ggctgggctg gctgaaaaaa acgaccgtgc 360
tcggntgtga tgccacatac caggcaacct cccatccac cccgacctg cctgggcgaa 420
nccctccttc tccctgccgg tccccanngg ctcac 455
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<210> 381

<211> 421

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

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<222> (8)

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<220>

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<222> (23)

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<222> (156)

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<222> (191)
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<220>
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<220>
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<222> (410)
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<220>
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<222> (413)
<223> n equals a,t,g, or c

<220>
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<222> (421)
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gggtgaagcg gccaggtga ggctcgccat ggccaaacag ctgcaggccc gaagctagac 120
gggatcgact acaaccctg ggtggagttt gtgaantggc cagtgcgcat gacgtcgtga 180
acttgggcca nggcttcccg gatttccac caccagactt tgccgtggaa gcctttcagc 240
acgctgtcag tggagacttc atgcttaacc agtacaccaa gacatttggc taccaccac 300
tggacgagga tcctggcaat ttctttgggg gagctgctgg gtcaaggata agacccgttc 360
agggatgtgc tgggtgactgt tgggtgntat gggggccngt ttcaaaagcn ttnccaggcc 420
n 421

<210> 382
<211> 545
<212> DNA
<213> Homo sapiens

<220>
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<220>

<221> misc feature
<222> (14)
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<220>
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<222> (57)
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<220>
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<222> (466)
<223> n equals a,t,g, or c

<220>
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<222> (505)
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<400> 382
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ctctagaact agtggatccc ccgggctgca ggaattcggc acgagcggcg gcggcggcgg 120
cgccccagtc ggtgtatgcc ttctcggcgc gcccgctggc cggcggggag cctgtgagcc 180
tggtgctccct gcggggcaag gtactactta tcgagaatgt ggcgccccctc tgaggcacca 240
cgggtccggga ctacaccag atgaacgagc tgcagcggcg cctcggaccc cggggcctgg 300
tggtgctcgg ctccccgtgc aaccagtttg ggcatcagga gaacgccaag aacgaagaga 360
ttctgaattc cctcaagtac gtccggcctg gtggtgggtt cgagcccaac ttcattgctct 420
tcgagaagtgc cgaggtgaac ggtgcggggg cgcaccctct cttcgncttc ctgcggggagg 480
ccctgccagc tcccagcgac gacgncaccg cgcttatgac cgacccaag ctcacacct 540
ggtct 545

<210> 383
<211> 375
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 383
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gatttcaata cgtctcgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc 120
acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgccctg 180
gtggtccttg ggcttcctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anatcctgaa cagtctcaat tatnttccgt cctgggggtgg gnataccaac ccccttccc 300
cctttttcca aaaattttta ggttaaatng gcnaaaaaaa acatcctntt tttcccccta 360
ccttaaanga aaac 375

<210> 384
<211> 530
<212> DNA
<213> Homo sapiens

<220>
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<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
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<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

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<220>

<221> misc feature

<222> (415)

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<220>

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<222> (449)

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<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

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ctttcccagg cgccctgggtgg tccttggtt cccttgcaac caatttgac atcagagcag 120

gagagacaga agtagcaaac cctcttttcga gatgtccctc cagccccaga agtacctnca 180
gcctcacacc atctcttcag cctagcaagt tgctggaggg agtctataac ctaccaggag 240
ccagccagcc atttgtatca agaaatagaa atctgcaggg tacagtggct cacacctata 300
atcccagcgc tttgggaggg taagttctag gacaaaggca aggaagaaaa gcangaactt 360
naaaatccaa ttccttttgg gncttnaaat ttaaccttca agttcaaggg agctnaagta 420
aggcanaagg ccaaanggct ttttacttna acaacaacgg tgccaatttg gaaaggcaag 480
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<210> 385

<211> 465

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tgacgatctc gaggacctgg aagaagcaga ngagccagac atggaggaag acgatgatca 180
gaaagctgtg aaagatgaac tgtaatacgc aaagccagac ccgggcgctg ccgagacccc 240
tcgggggggct gcacaaccag cagcagcgca aggcctccga gccttgnggg ctcggtttga 300
aaagaagggn tngccgggaa acccagggna actctctnga agttganact ncancctag 360
aaaacgtccg ttnaaccggt ttncctttctt ctgcttttcg ggtttttgga aaagggattc 420
atttcaggc aggcgaanct tggtggggnn tgctcctgaa accat 465
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acagaaattg gcgtgttagc caaggctttc attgaccaag ggaaactcat cccagatgat 180
gtcatgactc ggctggccct tcatgagctg aaaaatctca cccagtatag ctggctgttg 240
gatgggttttc caaggacact tccacaggca gaagccctag atagagctta tcagatcgac 300
acagtgatta acctgaatgt gccctttgag gtcattaaac aacgccttac tgctcgtctg 360
attcatcccg ccagtggccg agtctataac attgaattca accctcccaa aactgtgggc 420
attgatgacc tgactgggga gcctctcatt cagcgtgagg atgataaacc agagacgggt 480
atcaagagac taaaggctta tgaagaccaa acaaagccag tcctggaata ttaccagaaa 540
aaaggggtgc tggaacatt ctccggaaca gaaaccaaca agatttggcc ctatgtatat 600
gcttttntac aactaaagtt ncacaaagaa gccagaaagc tttaattact tcatgaggag 660
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ntacaagaaa tctggaaaac ttgtattctt caggcttggt taatgtcagg caaaaccact 120
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<210> 388
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aagatcgaga agcagctgca gaangacaan caggtctacc gggccacgca ccgcctgctg 120
ctgctgggtg ctggagaatc tggtaaaagc accattgtga agcagatgag gatcctgcat 180
gttaatgggt ttaatgnaga cagtgagaag gcaaccaaag tgcaggacat caaaaacaac 240
ctgaaagagg cgattgaaac cantgtggcc gccatgagca acctnngtgc cccccgtgga 300
gctggncaac cccgagaaac cagttcagag tggactacat cctggagtgt tatgaacgtg 360
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ctgctgna 428

<210> 389
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tagcaacccg aactttccag aagaactcaa gcctctctgc aagagcccaa tgcccaggag 180

ntanttcaga ggctggagga aatcgctgna ggacccgggg cacatgtgga aatctgtgcn 240
tacgctggcc tgtaccgat gctaaggggg cttgccactg gcnggcntcc cntccgcagc 300
aggggaagnc ttttcntcnt gcagaaaggg ccacccatga tattccattc cccagcagtt 360
caactaacnt ggttccattc gggaaggagc agccggggaa gnattgggtt gattggaagg 420
cttngnccca aatggtnctt tccctggcaa tttt 454

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<212> DNA

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ttgctacctg gactttcgtt gaccatgctg tcccgggtgg tactttccgc cgccgccaca 180
gcgccccctc tctgaagaat gcagccttcc taggtccagg gaccctatgt actcggaact 240

gggcttatct tgtacgcttt atccaaagaa atatatgtga ttagcgcaga gaccttcact 300
gccctatcag tactaggtgt aatggtctat ggaattaaaa aatatggtcc ctttggtgca 360
gactttgctg ataaactcaa tgagcaaaaa cttgccaac tagaagaggc gaanagngct 420
tccatccaac acatccagaa tgcaattgat acggagaagt cacaacaggc actgggtcag 480
aagcgccatt acctttttgg atgtgcaaag gaataacatt gctatggctt tggaagttac 540
ttacccgga acg 553

<210> 391

<211> 632

<212> DNA

<213> Homo sapiens

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<222> (586)

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<222> (613)

<223> n equals a,t,g, or c

<400> 391

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acttagccaa gatgcctgag gaaaccaga cccaagacca accgatggag gaggaggagg 180
ttgagacgtt cgcctttcag gcagaaattg ccagttgat gtcattgatc atcaatactt 240
tctactcgaa caaagagatc tttctgagag agctcatttc aaattcatca gatgcattgg 300
acaaaatccg gtatgaaagc ttgacagatc ccagtaaatt agactctggg aaagagctgc 360
atattaacct tataccgaac aaacaagatc gaactctcac tattgtggat actggaattg 420
gaatgaccaa ggctgacttg atcaataacc ttggtactat cgccaagtct gggaccaaag 480
cgttcatgga agctttgcag gctggtgcag atatctctat gattggccag ttcggtgttg 540
gtttttattc tgcttatttg gttgctgaga aagtaactgt gatcancaaa cataacgatg 600
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<210> 392

<211> 600

<212> DNA

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ctctttacct gggatgagtg gagaaagctg gctccttctc anagaaactt gtaccgggat 180
gtgatgctgg agaactatag gaacctgggc tcactgggac tctcatttac caaaccaaaa 240
gtcatctccc tggtgcagca aggagaagat ccctgggagg tggagaaaga cagttctggt 300
gtctcctctc taggatgtaa gagcacacct aaaatgacaa agtcaactca aactcaggat 360
tcatttcagg agcagataag gaaaagattg aaaagggatg aaccctggaa cttcatatca 420
gaaagatcct gcatatatga agagaaatta aagaaacagc aggacaaaaa tgaaaattta 480
caaataattt cagttgcca tacaataatc cttactgnag atagaagcca taaaaatgtt 540
gaatttgccc aaaacttcta cctgaaatca nncttcatta agcaccngan aattgcctaa 600

<210> 393
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cagggcaggg ccactccaga gaattacctt ttccagggac ggcaggaatg ctacgcgttt 180
aatggtaaca gccagaagga catcctggag gagaaagcgg gcagtgccgg aacaggatgt 240
gcagacacaa cttacggagc tgggcgngcc catggaccct gcagcgccga gttccagcct 300
agggtggaat gttttccccc tccaagtagg gggcccttgg cagcaacaca anctgcttgt 360
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gcacatttga ttttgcccgg ttagacatga nggggttggg ttcngttggt naaatntggg 480
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aatatccagc ctcaagtctg gttttcgcta ccggagcctt cccagaacaa acttcttggtg 180
cgtttgcttc caacccccag cgcccggggt atggagcggg ttcgggcgct tccttcgccg 240
cctcgatgca gggcttgtag cccggcggn ggggcatggc gggccagagc gcggncggcg 300
tctacgcggc cggttatggg ctcgagccgn gttccttcaa catgcactgc gcgccctttg 360
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ccagnccctgg aaacagcgcc tcgggatgnc cagctgatca aggagctggg gnttcggctg 180
ctctatgctg gcgttgagga ccagggccag ncctggccac aantnaggct gtgtcacett 240
cgttctgaat gaccacagca tggccttcac tggagatgcc ctggtgatcc gtgggtgtng 300
gcggacagac tttcagcaag gctgttgcca agaccttgta accattcggt ccatgaaaag 360
atctttcaaa atttccagga gactgtcttg atctaacctg gttcaagggt accatggggg 420
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tttcttttta acccctatct gaccaggaaa agaagaatcg aggtttccca cgccctagcc 180
ctcaccgaga gacaggtaaa aatctggttc cagaacagga gaatgaaatg gaaaaaggaa 240
aacaacaagg acaaatttcc cgtttcccg gaggagggtga aggacgggga aacgaaaaag 300
gaagcccaag agctggagga agacagagcc gaaggcctga caaattaact tctaccttta 360
aaatttacca cagactatta aaactaataa tcaccatatg ctgtggacac cacctatatt 420
ctttggtgga aaggacctta cctgngtttc aagctacctt catgtcactg gtcttgaggg 480
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<222> (443)

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<400> 397

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gcttttcccg ttggggccga agtaccttcc ctgnngcggc gactcagcgg ggtgtcggtc 120
ggccggcgctg acgcagccgg atcggcgcca gacggaaacc tagcggtgac tgtatctgaa 180
ttttgcagct gcagaatgtg tagtacctta aaaggttggc aacaatgagt aaaccagaat 240
taaaggaaga caagatgctg gaggttcact ttgtgggaga tgatgatgtt cttaatcaca 300
ttctagatag agaaggagga gctaaattga agaaggagcg agcgactttt tggtaacccc 360
caaaaaaata ataaagaagc cagaatatga tttggaggaa gatgaccagg aggtcttaaa 420
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<212> DNA

<213> Homo sapiens

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<400> 398
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tccntggnga ctggtggngct tggcgctcnct ncgggctgtn agnacctcat ntatgngcac 120
tttaccaaaag cggntgaaaa ttgtggaagt tgggtccccga gatggactac aaaatgaaaa 180
gaatatcgta tctactccag tgaaaatcaa gctgatagac atgctttctg aagcaggact 240
ctctgttata gaaaccacca nctttgagtc tcctaagtgg gttccccaga tgggtgacca 300
cactgaagtc ttgaagggca ttcanaagtt tcctggcatc aactaccag tcctgacccc 360

aaatttgaaa ggcttcgagg cancggnacc atgactnctg tgaggatgca gcactccctg 420
gcaggtcaga cctatgccgt gcccttcac cagccagacc tgcggcgaga ggaggccgtc 480
cagcagatgg cggatgccct gcagtacctg cagaaggctc tggagacatc ttcagcaagt 540
gggtgctgnc actcaccccc acctgatgag agggccatnc ctgtctgggc aatnccagca 600
acacancctt tgggagcaan ccccttgggg aatcccggnc tggggaaccc at 652

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<211> 341

<212> DNA

<213> Homo sapiens

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<222> (84)

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<220>

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<222> (137)

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<222> (310)

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<222> (332)

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<400> 399

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aaccaaggct tccctttacc tctncaactca caatgggaac atgtacacct catccctgta 120
cgggtgctg gcctcgnttc tgtcccacca ctntgccc aaactggctg gctccaggat 180
tggtgccttc tcttatggct ctggttttagc agcaagtttc ttttcatttc gagtatcccg 240

tctaaagggtg ttctgcagat ccatggaaag cttctgggaa acgtatgcta gcagagcttc 300
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<210> 400

<211> 604

<212> DNA

<213> Homo sapiens

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<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

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<220>

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<222> (502)

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<222> (559)

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tacaatcaac caacaagtca ttattaccct cactgtcaac ccaacacagg catgctcata 120
aggaaagggtt aaaaaaagta aaaggaactc ggcaaatctt accccgcctg tttaccataa 180
acatcacctc tagcatcacc agtattagag gcaccgcctg cccagtgaca catgtttaac 240
ggccgcggta ccctaaccgt gcaaaggtag cataatcact tgttccttaa ataggacact 300
gtatgaatgg cttcacgagg gttcagctgt ctcttacttt taaccagtga aattgacctg 360
cccgtgaaga ggcggcatga cacagcaaga cnaagaagac cctatggagc tttaatttat 420
taatgcaaac agtacctaca aaccacagc tcctaactac caaacctgca ttaaaaaatt 480
cggntggggc gacctcggac anaaccaanc tccagcagta catgctaaac ttaccagcaa 540
acgactatat ctaattganc atacttgaca aggacaagta cctaggaaca ggnaatcttt 600
ttaa 604

<210> 401
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<212> DNA
<213> Homo sapiens

<400> 401
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ctcttacttt taaccagtga aattgacctg cccgtgaaga ggcgggcata acacagcaag 120
acgagaagac cctatggagc ttttaatttat taatgcaaac agtacctaac aaacccacag 180
gtcctaaact accaaacctg gcattaaaaa tttcggtttg ggcgacctcg gagcagaacc 240
caacctccga gcagtacatg ctaagacttc accagtcaaa gcgaactact atactcaatt 300
gatccaataa cttgaccaac ggaacaagtt accctaggga taacagcgca atcctattct 360
agagtccata tcaacaatag ggtttacgac ctcgatgttg gatcaggaca tcccgatggg 420
gcagccgcta ttaaagggtc gtttgttcaa cgattaaagt cctacgtgat ctgagttcag 480
accggagtaa tccaggtcgg tttctatcta ctttcaaat 519

<210> 402
<211> 265
<212> DNA
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<400> 402

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cggtagacagt aaactgcgaa tggctcatta aatcagttat gggtcctttg gtcgctcgct 120
cctctcctac ttggataact gtggaattc tagagctaata acatgccgac gggcgctgac 180
ccccttcgcg ggggggatgc gtgcatttat canatcanaa ccaaccggg cancccctct 240
ccggcccccg cggngggcg gcgnc 265
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<210> 403

<211> 325

<212> DNA

<213> Homo sapiens

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<220>

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gatataaaga cctgaagata gtcttttctg tccaaagatg gaaaacagta ctactaccat 120
ttctcgggag gagcttnnag aactacaaga ggcatttaata aaaatagata tnnacaatag 180
tgggtatgtc agtgactatn aacttcaaga cctgtttaag gaagcaagcc ttcctctgcc 240
tggctacaag gtgcgcgaga ttntggagaa aattctatca gttgctgaca gcaacaaaga 300
tggcaaaatc aattttgaag agttt 325
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<210> 404

<211> 540
<212> DNA
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<222> (489)
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<220>
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<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
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<400> 404
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ctttggggag cctcccccac gctcccctgc cccatccctt tttccccttc cctgtcttctc 120
atccctccat tcccatcttt cccagcaat taccagctct ggctgggtcg ccacaacttg 180
tttgacgacg aaaacacagc ccagtgtgt catgtcagtg agagcttccc acaccctggc 240
ttcaacatga gcctcctgga gaaccacacc cgccaagcag acgaggacta cagccacgac 300
ctcatgctgc tccgcctgac agagcctgct gataccatca cagacgctgt gaaggctcggg 360
aagttgcccc cccaggaacc cgaagtgggg gagcacctgg ttggcttcct gctggggcaa 420
gcattgaacc agaagaattt cttaatttca gaagatcttc aaatggtgng ganccttcaa 480
aaatcctgnc taaaggaata aatggcgaaa aaagcccaac gttcanaaaag gtggacngga 540

<210> 405
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<220>

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<222> (94)
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<222> (296)
<223> n equals a,t,g, or c

<220>
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<222> (298)
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<222> (301)
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<222> (309)
<223> n equals a,t,g, or c

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<222> (313)
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<400> 405
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cgaggtggtg cgctgtctgt ctgagcagag cgtnggccat ctgcgcgtgc gccgggggcc 120
cggggcgcgc ctgacctgcc tgctggacga gcagcaggta aacgtgctgc tctacgacat 180
gaacggctgt tactcacgcc tcaaggagct ggtgcccacc ctgccccaga accgcaagtg 240
aagcaagggtg gagattttcc agcacgtcat cgactacatc agggacttta atttgnantt 300
naatcggant ccnaatttg 319

<210> 406
<211> 355
<212> DNA
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<220>
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<222> (325)
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ccacgtgaaa gcactacacg attccnagcc aggatgtaac tgtgcccctg cccagttccc 120
ncancttccc catgctgcca ncccngattn tggctgaaac gaccggccct ngaggacctg 180
gtcttaggtt cagaagcgaa gcatcacgtg acacantgac cggcctgaga gaatgcctct 240
ggtgaccact ntnacctggg acgcctntaa agtgggaaga gcnctgtttc aaggaccacc 300
tggngcgtga cctgtgtggg nttgntacag gtgttcacgt gtgctgactg gttgt 355

<210> 407

<211> 437

<212> DNA

<213> Homo sapiens

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<400> 407

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cccatgccc tcatgcccag cacctgaatt tcctgggggg accatcagtn ttctgttcc 120
ccccaaaacc caaggacact ctcatgaatc tcccggaccc ctgaagggtca cgtgcgtggt 180
ggtggacgtg aagccaggga agaccccgag gtccagttca actggtacgt ggatggcgtg 240
gaggtgcata atgccaagac aaagccgcgg gnggagcagt tcaacagcac gtaccngtgg 300
ttcagcgtcc ttcaccgtcc tgcaccagga tggcttgaac ggcaaggag ttacaagtgg 360
caaggttttt caacaaagg cttcccgtnc ttccttgggg aaaacctttt tncaaaggcc 420
aaggggcagn cccgngg 437
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<210> 408

<211> 310

<212> DNA

<213> Homo sapiens

<220>

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<222> (298)

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ggcgaaagga ccacggtcac cgtctcctca gcctccacca anggccatc ggtcttcccc 120
ctggcgccct gctccangaa cacctccgaa aacacagcgg ccctgggctg cctgggtcaag 180
gactacttcc ccgaaaccgg tgacggtgtc ttggaactca gggggctctg accagcgggg 240
tgcacacctt ccagctgtc ctacagtcct caggaancta ctccctcanc accntggnga 300
cgntgcctcc 310

<210> 409
<211> 421
<212> DNA
<213> Homo sapiens

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<220>
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<222> (346)
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<220>
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<222> (382)

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<220>

<221> misc feature

<222> (384)

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<220>

<221> misc feature

<222> (405)

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<222> (417)

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<400> 409

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actctggctc ccanatacca ctggagaaat actgatgacg cagtctccag ccaccctgtc 120
tgtgtctcca ggggaaagag tcacctctc ctgcagggcc gggcagagtg tttacagcaa 180
cttagcctgg tatcagcaga aacctggcca ggctcccagg ctccatcatgt atggntcatc 240
caccanggcc actgatgtcc cagtcagggt cagtggcant ggggtctggga cagagttcac 300
tctcaccatc agcagcctgc agtctgacga ttctgcagtc tatttntgtc agcagtatat 360
tatgtggcct ggaaccttcg gncnaggac caagggggaa atcanacgaa ctggggntgc 420
a 421
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<210> 410

<211> 448

<212> DNA

<213> Homo sapiens

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<220>
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<220>
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<222> (443)
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gggcggacgc gtggggccga ggctgccaa atgcttggag aagcactgag caagaaccct 120
ggctacatca aacttcgcaa gattcgagca gcccagaata tctccaagac gatcgccaca 180
tcacagaatc gtatctatct cacagctgac aaccttgtgc tgaacctaca ggatgaaagt 240
ttcaccaggg gaagtgcacg cctcatcaag ggtaagaaat gagcctagtc accaagaact 300
ccacccccag aggaagtgga tctgcttctc cagttttgga gnaccaccag ggggccagaa 360
nagccctacc ccgccccatt atcntgcaat ggtccccaca ccgggttccc tgaaccctct 420
nggnntaagg aaaatgaaaa tanccctt 448

<210> 411
<211> 141
<212> DNA
<213> Homo sapiens

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<222> (95)
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<223> n equals a,t,g, or c

<220>
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<222> (138)
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ctcccanatg cgtcctgtcc caggtgcagc tgcangagtc ngggccagga ctggtgaagn 120
cttcggagac cctgtccntc a 141

<210> 412
<211> 473
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (403)
<223> n equals a,t,g, or c

<220>
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<222> (461)
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<220>

<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

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<222> (471)
<223> n equals a,t,g, or c

<220>
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<400> 412
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cagaactcac catggagttt ggactgagct ggggtttcct tgttggtatt ttaaaagggtg 120
tccagtgtga agtgcagctg gtggagctctg ggggagccgt agtacagcct ggggggtccc 180
ttagactctc ctgtgaagcc tctggattca cctttgacaa ttatgccatg cactgggtcc 240
gtcaagctcc ggngaagggt ctggagtggg tctgtctcat cagtcgggat ggtcgtgaaga 300
catattttgc agactctatg aagggtcggg tcaccatctc cagagacaac agcaaaaact 360
gcctgtatct ccaagtgaac agtctgagag ttgaggacac cgncttgat tactgtgcaa 420
aagatatccc ggggtcgtcg gtatggacgt ctggggtaaa nggacaccng nna 473

<210> 413
<211> 328
<212> DNA
<213> Homo sapiens

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<220>
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<222> (187)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

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<222> (228)
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<220>
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<222> (241)
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<223> n equals a,t,g, or c

<220>
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tggaattggg gctgagctgg gttttccttg ttgctatattt agaaggtgtc cagtgtgagg 120
tgcagctggg ggagtctggg ggaggcttgg tccaagccgg ggggggtccct gagactctcc 180
tgngcannct ctggcttccc cttttataac catgggatga cctgggtncg ccaggctcca 240
nngaaggggc tggaatgggt ggccaccata cagtgagatg aaactganaa atactatgtg 300
gactctgtga agggccgatt caccatct 328

<210> 414
<211> 575
<212> DNA
<213> Homo sapiens

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<222> (361)
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<222> (470)
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<222> (539)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

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<222> (573)

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<400> 414

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gtgcagctgg tggagtcctg gggaggcttg gtacagccag ggcggtccct gagactctcc 180
tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccaggctcca 240
gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattggtg gacaacagaa 300
tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
gactacaggc acacccctgg ctactggggg caggggaaccc tggtcaccgn cttctctggc 480
ttccaccaag ggccatcgtc ttccccctgg ngcccttggt ccaggancac ttccgaaanc 540
cagnggcctg ggcttgctgg gcaagggtc ttncc 575
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<210> 415

<211> 438

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

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<222> (201)
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<222> (269)
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<222> (281)
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<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
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<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
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<222> (330)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (371)
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<220>
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<222> (397)
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<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 415

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ctganactct cctgtgcagc ctctggattc accttcagta gttangacat gcattgggtc 120
cgccaagtgtg caggaaaang tctggaatgg gtctcangta ttgatcctgc tggtaacaca 180
aactatccan gctccgtgaa nggccgattc atcatctcca gagaaaatga caagagctcc 240
tcgtatcttc aaaatgaatg ggctgacanc cggggaaaac ngtgtgtaat attgtnnaaa 300
nanaaattgc anttcctggt aantgggtan ntncgatctc ttggggccgn nggaancctt 360
ggttaaattgt nttcctcaag aattnccga accaagnccc caaagggttt tcccgcttaa 420
ancctttgaa aaagaaac                                     438
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<210> 416

<211> 502

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

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<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

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<220>

<221> misc feature

<222> (451)

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<220>

<221> misc feature

<222> (455)

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<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<400> 416

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accattacca gggacacatc cacgaacaca gcctacatgg atctnagcag cctgagatct 120
gaagacacgg ctgtntatta ttgtncgagg ggattttttg gggaccgtga ttactactac 180
tactactaca tggacgtctg gggcaaagg accacgggtca ccgtctcctc agcatccccg 240
accagcccca aggtcttccc gctgagcctc tgcagcacc agccagatgg gaacgtggtc 300
atcgccctgct tngtccaggg cttcttcccc caggagccac ttcagtgtgg acctggagcg 360
aaaggggnaca gggcgtgacc gccagaaaat tcccaccag ccaggatgcc tccgggggac 420
ctgtacanca cgagcagcca gctgaccctg ncggnccaaa gtgccttagc cggnaagttn 480
cgttgacatt gccacgtgga ag 502
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<210> 417

<211> 427

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (233)
<223> n equals a,t,g, or c

<220>
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<222> (325)
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<220>
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<222> (352)
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<220>
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<222> (363)
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<220>
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<222> (388)
<223> n equals a,t,g, or c

<220>
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<222> (411)
<223> n equals a,t,g, or c

<220>
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<222> (427)
<223> n equals a,t,g, or c

<400> 417
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gatccacggt ggcattccagc ttacaaagtg gaggttcagt ggcaggggga 120
tctgggacag atttcactct caccattagc agtctgcaac ctgaagattt tggcacttac 180
ttctgtcaac agaattacaa tgtcccgtgg aacgttcggc caggggaacn aangtggaaa 240
atgaaaccga actgtggctg caccatctgt cttcatcttc ccgccatctg atgagcagtt 300
gaaatctgga actgcctctg ttgtnttgcc tgctgaataa cttctatccc anaaaaggcc 360
aanttcattg gaagggtgat aacccccncc atcggttact cccggaaaat ntcccaaacc 420
ggacgcn 427

<210> 418
<211> 308
<212> DNA
<213> Homo sapiens

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<222> (132)

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<222> (182)

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<222> (262)

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<221> misc feature

<222> (270)

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<221> misc feature

<222> (282)

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<220>

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<222> (297)

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<400> 418

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ctgactatta ctgtcaggcg tgggacagta gcgctgtggt cttcggcgga gggaccaggc 120
tgaccntcct angtcagccc aaggctgccc cctcggtcac tctgttcccg cctcctctg 180
angagcttca agccaacaag gccacactgg tgtgtctcat aaatgacttc taccgggaa 240
gccgtgacag tggncctggaa angcagatan caaccccggt cnaggcggaa ttggganaaa 300
caaccaca                                     308
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<210> 419

<211> 482

<212> DNA

<213> Homo sapiens

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<222> (441)
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<222> (449)
<223> n equals a,t,g, or c

<220>
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<222> (462)
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<400> 419
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ggcctgggtc cctctcctcc tcaactctct cgtcactgc acagggtcct gggcccagtc 120
tgtgctgacg cagccgcctt cagtgtctgg ggccccaggg cagaggggtca ccatctcctg 180
cactgggagc agtccaaca tcggggcagg ttatgatgta cactggtacc agcagcttcc 240
aggaacagcc cccaaagtcc tcatctatgg taacagcaat cggccctcag gggcccctga 300
ccgattctct ggctccaagt ctggcacctc agcctccctg gccatcactg ggctccaggc 360
tgaagatgan gttgattatt actgccagtc ctatgacagc agcctgggtg gttcgggtgt 420
cggcggaagg accaagctga ncgtcctang tcagcccaaa gntgccccct cggtaactct 480
gt 482

<210> 420
<211> 462
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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 ccccgggcag agggtcacca tctcttggtc tggaagcagc tccaacatcg gaactaatta 180
 tgtatactgg taccagcagc tcccaggaac ggcccccgaa gtcctcatct ataagaatga 240
 tcagcggccc tcagggtgcc ctgaccgatt ctctggctcc aagtctggca cctcagcctc 300
 cctggccatc ggtgggctcc ggtccgagga tgaggctgat tattactgtg catcatggga 360
 tgacagcctg agtgggtccg tcttcggcgg agggaccaag ctgaccgtct tgggtcagcc 420
 caaggctgcc cctcgggnaa ctctgntccc gncctnctnt ga 462

<210> 421
 <211> 435

<212> DNA
<213> Homo sapiens

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<222> (351)
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<220>
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<222> (391)
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<220>
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<222> (416)
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<220>
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<222> (423)
<223> n equals a,t,g, or c

<220>
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<222> (431)
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<400> 421
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ctttctgcac agcggaagag aggccaggcc cctgtggtgg tcatctatga ggacaacaaa 120
cgaccctccg ggatccctga gagattctct ggctccacct cagggacatt ggccaccgtg 180
attatcagtg gggcccaggt ggacgatgat actgacttct actgtcagtc aacacacagt 240
agtaataatg gtaggtccgt atgtcttcgg aactgggacc aaggtcaccg tccttggtca 300
gcccaggcc aacccaatg tcantctgtt cccggcctcc tctgaaggag nttcaagcca 360
aacaaggca cactaagtgt gtctgatcag ngagttttta cgggaagtg tgaaantggg 420
ctnggaagca nattg 435

<210> 422
<211> 334
<212> DNA
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<222> (101)

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<222> (122)

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<222> (145)

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<222> (310)

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<222> (323)

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<222> (324)

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<220>

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<222> (331)

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ctgcacagac tctgaggcct cccatgaatt gagacaacca ntttcggtgt cagtgtcccc 120
angacagacg gccangatca cctgntcttg agatgcattg ccagaacaat ctattttttg 180

gtatcaacag aagccaggcc aggccctgt attggtgatt tataaagtcc atgagaggcc 240
gtcagatgcc ctgaacgatt ctctggctcc aggtcacaga caacagtcac gttgaccatc 300
agtggagccn agggcaaaaa atnngngggg ngtg 334

<210> 423

<211> 597

<212> DNA

<213> Homo sapiens

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<222> (132)
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<222> (174)
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<220>
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<400> 423

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nggtggcggc cgctctagaa ntactggatc ccccggttg cccgggttcg gcganannng 120
acaatntagc cnatgtaggg tctggtcccc caaatccaga tctgtcgnaa acantnttgg 180
atcaatacnt tgccatggnc ncanaaaanc atgggtncaa catggaacan gctcttgga 240
tgctcttctg gcataancnt aatatccaaa antcatnggc tgatttgccc aacttnaccc 300
ctttcccaga taagtggact gtggaagata aantcttatt tgancaagcc tttacttttc 360
atgggaaaac ttttcataca atccaaccaa tgnttccaca taaatctata gnnngtctgg 420
tgaaatntta ctattcttgg aaaaaagacg aagactnaaa ctattgtgat ggatcgccat 480
gccccggaaa cnaaacggga cgggaagaga ncnacgatga actggaacaa gcaaatggaa 540
caatcccatn gnacttgaag ttggatccaa accaagaaan ccaaagggaa gtcccct 597
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<210> 424

<211> 143

<212> DNA

<213> Homo sapiens

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<222> (92)

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<222> (96)

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<222> (99)

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<222> (131)

<223> n equals a,t,g, or c

<220>

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<222> (138)

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<400> 424

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gaggcccggt actacagcct cagcctgacg gnacancanc tctcccacat cgtggcggag 120
ttgaggaacc ngaaacanaa aat 143
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<211> 323
<212> DNA
<213> Homo sapiens

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<220>
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<222> (291)
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<400> 425
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ggaaaacttt gaagccttca tgaaggcaat cggctctgccg gaagagctca tccagaaggg 120
gaaggatatc aagggggtgt cggaaatcgt gcagaatggg aagcacttca agttcaccat 180
caccgctggg tccaaagtga tccaaaacga attcacggtg ggggaggaat gtgagctgga 240
gacaatgaca ggggagaaaag tcaagacagt gggttcagttg gaagggtgaca ntaaactggt 300
gacaactttc aaaaacatca agt 323

<210> 426
<211> 683
<212> DNA
<213> Homo sapiens

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<222> (188)
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<222> (195)

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<222> (206)

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<222> (232)

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<221> misc feature

<222> (234)

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<222> (633)
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<220>
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<220>
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<222> (662)
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<400> 426

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aaaaaaaaaa aaaaaaaang ggcggccgtt ttanaggatc caagnttacg tncncgtgcn 120
tgcnacgtna tagntntntnt ataggggtcac ctaaattnaa ttnactggcc gtcgttttac 180
aacgtcgnga ctggnaaaac cctggngtta cccaacttaa tcgccttgca gnanatcccc 240
ntttcgccag ntggcgtaat ancnaaaagg cccgnaccga tcgccttcc naacagttgc 300
ncagcctgaa tggcaaattg gaacncccc gttagcgngc attaagcncg gcgggtgtgg 360
gggttacccn cagcgtgacc gttacanttg ccagngccnt agcgcccgt ctttcgntt 420
tcttcccttc ctttttcgcc acgttcgccg gttttccccg taaagcttta aatggggggc 480
tcccttnagg gttccgattt agggctttac gggacctga ccccaaaaaa ctttgnttag 540
ggggatgggt cacgtagnng ggccattgcc cttgatanac gggtttttcg cccttttgac 600
nttggantcc cacgtttttt aaataggggg gcntttttgt tccaaaantg gggaacaaac 660
antttaacc ctttttttgg ggg 683
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<210> 427

<211> 369

<212> DNA

<213> Homo sapiens

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<222> (323)

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<220>

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<222> (337)

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<220>

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<222> (344)

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<222> (349)

<223> n equals a,t,g, or c

<220>

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<222> (350)

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<400> 427

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cgatggctcc actcccatca acctcttcaa cacagccttt gggctgctgg ggatggggcc 120
cgaggggtcca gccctggggc agaaagggtt gcattggggc cagccctgga agggggatat 180
ccccccagtc ttgctcaagc ccctcaagct cctggaaaac accactttgt gcctgttctg 240
cgcttactcc tgattaatac aatgaatttt cttgggcatt ttacaatttc caacacttta 300
aaaaaaaaaa aaaaaaattc aanggggggg ccggttncca attnccccnn ttttatttct 360
tttaaaatc 369
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<210> 428
<211> 299
<212> DNA
<213> Homo sapiens

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<220>
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<222> (79)
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<222> (121)
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<220>
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<222> (295)
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<400> 428
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gcgtcggcgg tagctgctnt tcctggggcc cgtgggcctc atcatgtacc tcgggggcgt 120
nttcttcac aaccggcagc gctctagcac tgccatgaca gtgatggccg acctgggcga 180
gcgcatggtc aggagaacc tcaaagtgtg gatctatccc gaggggtactc gcaacgacaa 240
tggggacctg ctgcctttta agaaggggcg cttctacctg gcagtccagg cacangtgc 299

<210> 429
<211> 538
<212> DNA
<213> Homo sapiens

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<220>
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<222> (133)
<223> n equals a,t,g, or c

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<222> (394)

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<222> (397)

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<222> (435)

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<222> (484)

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<222> (498)

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<222> (499)

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<222> (529)

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<400> 429

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aggctcagtg caggatccag gcctgcatgt gtggcggggtg gagaagctga agccggtgcc 120
tgtngcgcaa ganaaccagg gcatcttctt ctcgggggac tcctacctag tgctgcacaa 180
tggcccagaa gaggtttccc atctgcacct caacacactg ctgggagagc ggctgtgca 240
gcaccgcgag gtaaggggca atgagtctga cctcttcagt agctacttcc cacggggctt 300
caagtaccag gaaggtggtt tggantcagc atttcacaag acttccacag gagccccagt 360
tgccatcaag aaantntacc aggtgaaggg gaanaanaaa tccgtccaac gagngggcat 420
gaattgggaa anttnaaatn ggggttgttt acctggaatn ggcaaaaatt tnnctggttt 480
gngnaatcaa atttgganna aaagggggga ttgcctggat cgggatttnc aaggaagc 538
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<210> 430

<211> 552

<212> DNA

<213> Homo sapiens

<220>

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<222> (434)

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<220>
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<222> (449)
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<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
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<222> (508)
<223> n equals a,t,g, or c

<220>
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<222> (514)
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<220>
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<222> (523)
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<220>
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<222> (535)
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<400> 430
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atggccgttc ttagttggtg gagegatttg tctggttaat tccgataacg aacgagactc 120
tggcatgcta actagttacg cgacccccga gcggtcggcg tcccccaact tcttagaggg 180
acaagtggcg ttcagccacc cgagattgag caataacagg tctgtgatgc ccttagatgt 240
ccggggctgc acgcgcgcta cactgactgg ctcagcgtgt gcctacccta cgccggcagg 300
cgcggttaac ccgttgaacc ccattcgtga tggggatcgg ggattgcaat tattccccat 360
gaacgaggaa ttcccagtaa gtgcgggtca taagcttgcg ttgattaagt ccctgcccct 420
tcaacccttc tggnccttcg gaccactgng acttttccat ctttcttaaa cggaggctgg 480
gccttggggg gggggctggc ctggnntntg ttgncccaa ganggtgctt tcaanggtga 540
ggaacttttt tt 552

<210> 431
<211> 218
<212> DNA
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<222> (107)

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<220>

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<222> (136)

<223> n equals a,t,g, or c

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<222> (143)
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<220>
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<220>
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<222> (168)
<223> n equals a,t,g, or c

<220>
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<222> (171)
<223> n equals a,t,g, or c

<220>
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<222> (181)
<223> n equals a,t,g, or c

<220>
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<222> (196)
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<400> 431
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ccagttcggg ttgaatgcaa gtncatgccg atttttccta caannantcc agttgattac 120
aattcttcct gtacgncaga gancctgcc tttaaaagnt gccaacgntt ncctgacgag 180
ncctgcagcc acagtnccgc aattcctaca agtgccaa 218

<210> 432
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
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<222> (590)

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<223> n equals a,t,g, or c

<400> 432

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taggaggtgg aattcagagc atcacctaca cccacaacgg agacatcagc cgaaagccca 120
acacacgtaa gcagaagaac ggcttccccg ccaacttcat ccactcgctg gactcctccc 180
acatgatgct caccgcccctg cactgctaca ggaagggcct gaccttcgtc tctgtgcacg 240
actgttactg gactcacgca gctgatgtct ccgtcatgaa ccagggtgtgc cgggagcagt 300
ttgtccgctt gcacagcgag cccatcctgc aggacctgtc cagattcctg gtcaagcggg 360
tctgctctga gccccagaag atcttggagg ccagccagct naaggagaca ctgcaggcgg 420
tgcccaagcc aggggccttc gacctggagc aggtgaagcg ttccacctac ttcttcagct 480
gacaccccggt gagccttgct agtgtgtaaa taaagctctt ttgccacccc aaaaaaaaaa 540
aaaaaaaaact tggggggggg gcccgggacc caattgccct atagggnggn gnnttacaat 600
tcantggccg                                     610
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<210> 433

<211> 328

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (123)

<223> n equals a,t,g, or c

<220>

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<222> (131)
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<222> (132)
<223> n equals a,t,g, or c

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<222> (223)
<223> n equals a,t,g, or c

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<220>
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<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)

<223> n equals a,t,g, or c

<400> 433

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aagaactact ttgatgggga aggaaaagtg cggatgatcg tgtatgtgaa cccaagggt 120
gangattatg nngaaaactt ncaagtcag agatttgcg aagtgactca agaagttgaa 180
gtagcaagac ctgtagacia ggtaatatgt ggtttaacgc cnnagnaggag atacagaaac 240
cagnctcgng gtccagttgg aaatgnacca ttgggtactg acgtgggttt ncagagtttt 300
ccacctttgc cgtncatgcg aaattttt 328
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<210> 434

<211> 535

<212> DNA

<213> Homo sapiens

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catggaaaat gaaatnngaa actctctgaa caagaattac aatttcgtcg tctcagtcaa 120
gagcaagttg acaactttac tctggatata aatactgcct atgccagact cagaggaatc 180
gaacaggctg ttcagagcca tgcagttgct gaagaggaag ccagaaaagc ccaccaactc 240
tggctttcag tggaggcatt aaagtacagc atgnaagacc tccatctggc agaaacacct 300
actatccccg tgggtagtgg cagttgaagc ccatccaaag ccaactgttc nggataatga 360
atttcaccca agctttaacc gcagctattc ccttccagag ttccnggacc cgtgggggtg 420
ttacatggaa gagaaccctt agggcccgtt ttcncatggt ggtttcctaaa aattgggccc 480
cgagggttagg nccaatggat tggnttgaa ancccgnaat tagcttgta cccgt 535

<210> 435
<211> 524
<212> DNA
<213> Homo sapiens

<220>
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<222> (138)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (238)
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<222> (258)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (262)
<223> n equals a,t,g, or c

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<222> (269)
<223> n equals a,t,g, or c

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<220>
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<222> (340)
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<222> (341)
<223> n equals a,t,g, or c

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<222> (342)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (498)

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<220>

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<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<400> 435

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ctcatgaatc attgctccgg gtccctgcggg acatttgtca tgtactcggn ccaagcccag 120
gccctggacc acagcttnct cctgctgcaa aganganaaa accagccagc gtgaggttgg 180
tcctgagctt gcccgaatgg cggctcgctt gacacacacc tacaccaca tcgaaganct 240
gccagtgcc aagaacacnnt cntgggggnt tccccaacng gaacttcccg ccggggccgg 300
ggggcttncc ccttagcatc tggaacgtag gtttttnnnn nnnnngnnan aaanccccct 360
ttcaattgcc cttcnaaaan ttttacctcc ccccgaaact ctttaaactc cttaaactcg 420
ggttcctctt cttccaaata ttatgttcta attttttttt tcatccctgc tttcccaata 480
taaactcagg gggaaatncn aaaaaaaaaa aaatccangg gggg 524
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<210> 436

<211> 384

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (79)

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<220>

<221> misc feature

<222> (124)

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<222> (177)

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<220>

<221> misc feature

<222> (215)

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<220>

<221> misc feature

<222> (320)

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<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

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<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 436

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ttacttcatg cagttcagna ccagctcggg gtccgcggaa gaggcagccc tactggagtc 120
tcgnattctt tacccaaaga ggaagcagca gtgcctgcaa tttttctata aaatgancgg 180
ggaagtcctt ncagacagac ttcgttgtct gggtncagga ggggatgaca gcacaggcaa 240
tggttcgcaat tgggtgaaggc gcagactttt caaggagatg atgaccacaa tttggaaaat 300
tggcccatgt ggggtgcttcn aagaggaaca gaatttcggt naccttttnc caggggcaca 360
aaaggnggac cttnagagct tcaa 384
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<210> 437
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<212> DNA
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<222> (317)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (372)
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<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

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cttgctcaat gacgccgtca ctgtggctct gtatcacctc tttgaggagt ttgccaaacta 60
cgaacacgtg ggcacgtg acatcttcct cggttctctg agcttcttcg tgggtggccct 120
gggcgggggtg cttgtgggcg tggctacgg ggcatcgca gccttcacct cccgatttac 180
ctccacatc cgggtcatcg agccgctctt cgtcttcctc tacagctaca tggcctactt 240
gtcagccgag ctcttcacc tgtcaggcat catggcgctc atagcctcag gagtgggtgat 300
gcgnccctat gtgggagcc aacacttcca caagtccca caacaacatc aaataatttc 360
ctggaagatg tnggagcag gtcannaagn 390

<210> 438
<211> 234
<212> DNA
<213> Homo sapiens

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<220>
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<222> (21)
<223> n equals a,t,g, or c

<220>
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<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
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tttgactcca cgcgttttgc tncattaaca acataaaacc ctcatggaca cganaaaaca 120
ccctcatgtt catcaccta tccccattc tcctcctatc cctcaacccc gacatcatta 180
ccgggttttc ctcttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 234

<210> 439
<211> 144
<212> DNA
<213> Homo sapiens

<220>
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<221> misc feature

<222> (36)

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<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

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<222> (105)

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<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<400> 439

nnctatcgat ggggagcaag agtcttttaa ataagnccat ttnagtcctt ggttaacaag 60
ggtttaaagt ggagcgaatg cacatcacag acatgaaatt ggctnacctg cctngcttag 120
aagcccttgg tgttnaggtc aaca 144

<210> 440

<211> 411

<212> DNA

<213> Homo sapiens

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<220>

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<222> (86)

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<222> (209)

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<222> (276)

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<222> (340)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (390)

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<221> misc feature

<222> (404)

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<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<400> 440

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gctggccgna tcaacaagg gctggncacc aactggctgc gggccaagga gcctgccggg 120
gagaacggcg gncgcgcgct ggtgcccattg ttcgtgcgca agtcccagtt ccgcctgccc 180
ttcaaggcca ccacgcctgt catcatggng ggccccggca ccgggggtgt acccttcata 240
ggcttnatcc aggagcgggc ctggctgcga cagcanggca aggaggtggg ggagacgctg 300
ctgaactacg gctgccgccg ctcggatgag gactacctgn accggnagga gctggcgag 360
ttccacaggg acggtgcgct caccagctn aacgtggcct tctnccgggn a 411
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<210> 441
<211> 623
<212> DNA
<213> Homo sapiens

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<220>
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<222> (73)
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<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
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<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
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<220>
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<222> (289)
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<222> (360)
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<222> (365)
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<220>

<221> misc feature
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<222> (495)
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<220>
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<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (586)
<223> n equals a,t,g, or c

<220>
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<222> (587)
<223> n equals a,t,g, or c

<220>
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tggtctgggcc tanccctgtt gggggctctg catgcccagg cccaggactc cacctcagac 120
ctgatcccgag cccacctct nagcaaggtc cctctgcagc anaacttcca cgacaaccaa 180
ttccacggga agtggtatgt ggtacgcctg gcacggaatg caattctcag anaacacaaa 240
gaccgcgaaa anatgtatgc caccatctat gagctgaagg aaacaaganc tacaatgtcc 300
ctccgcctgt ttaagaaaaa aaaatgtgac tacttggatc aggaattttg gtccaaggtn 360
gccanccggc gaattccacc ttggggacct ttaaaattgc cttggantaa ccaatttcct 420
ccttccaatt gttancacca attacaacng ccttcttttg gttttcttcc anaaaatttc 480
tccaaacaag gaatncttcc anancccccnc ttccggaaaa acaaggaatt aattccgnac 540
ttaaaggaaa aattctccgn tctcccattt cttgggcccc ctaaanncaa attcgtcttc 600
ccttttccaa ccaacattnt ttt 623

<210> 442
<211> 211
<212> DNA
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<220>
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<220>
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<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
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<222> (93)
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<220>
<221> misc feature
<222> (131)
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<220>
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<222> (178)
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<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
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<222> (207)
<223> n equals a,t,g, or c

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gcccacgcag ggcctanggt gggaagatgg cangtggggg cggcgacctg agcaccagga 120
ngctgaatga ntgtatttca ccagtagcaa atgagatgaa ccatcttcct gcacacancc 180
acgatttgca aaggntgttc acggaanacc a 211

<210> 443
<211> 399
<212> DNA
<213> Homo sapiens

<220>
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<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
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<221> misc feature

<222> (376)

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<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 443

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accactgttg cagaagctcc tcacagagta tgtgtcaggc atttttaacc tgctaaaggc 120
aagaagaagt gttcaccaca tagttgcaaa ggtcttcaac ttgccacagc caacagaaaa 180
atcaaaatga ttgaaccctt tgggaatcaa gtatatgttg gccaggccag tgtattctac 240
aaatgctttt gagggaaaatc ataaaaagac aggaagacat cataagacat ttctggatca 300
tctcaaagtg tgttgnaact gttccccaca aaaggcaaga gaattgncct ctctttgntt 360
cccatagcat tttggntgcc agcataccgg nttaaagaa 399
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<210> 444

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

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<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<400> 444

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gcgggactcc aaatgggtcg cagtcgcagc cgctctccac ggaggggaacg taggcgttcc 60
cgggtccacat cccgggagag agaacgcagg cgccgagaaa ggtccaggtc tcgggagaga 120
gatcggagaa ggagccgctc gcgatccccg caccgaagac gctcccgatc tccaagacga 180
catagatcca catctccttc cccttctcga ctgaaagaaa gaagagatga ggaaaagaaa 240
gaaacaaaaag aaacaaagag caaagaacgg cagattactg aggaagactt agagggcaaa 300
acagaggaag aaatagaaat gatgaagtta atgggatttg cctcctttga ctccacaaaa 360
ggtaagaagg tggatngctc tgtaaatgcn tatgccataa atgtctctca gaagaggaag 420
tacaggatatg catagccccc atttttgttt gaactaataa atcag 465
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<210> 445

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 445

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aagtgctaaa gcccagagccc gagctggttt atgaagacct gaggggctca gtgaccttcc 120
actgtgccct gggccctgag gtggcaaacg tggccaaaat tctgtctggc agagagtggg 180
gaaaagacgc ggtttccagc ttgcagattt gttaagtttc tcaggcagat tttgactttc 240
agcctttcat acttgtttaa gcaactattd gtattaaatg aagttttttg aaaaaca 297
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<210> 446

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

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<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature
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<223> n equals a,t,g, or c

<220>
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<222> (448)
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<400> 446
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gcagtctgtc gcctcagtg taaattcggg gccacactca aaatcagcag gcttctcttg 120
gaacggggcga gagagctgaa tattgacatc atcgggtgtca gcttccacgt gggaagtggc 180
tgcaccgatc ctggagacct tcgtgcaagc catctccgat gcccgctgtg tcttcgacat 240
ggggagctga ggttggtttc aacatgtatc tgcttgatat cggtggtggg ctttcctggg 300
atctgnagga tgtgaaactt aaatttggaa gagatcacca tggtatcaac ccagccctgg 360
gacaantant tcccggggccg aattcgggcg tggacattca tagccgagcc cgggcaggat 420
aattaagttg gcttncagcn ttcaagcn 448

<210> 447
<211> 268
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
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<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
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<222> (135)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
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<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
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<222> (192)
<223> n equals a,t,g, or c

<220>
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<222> (206)
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<220>
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<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 447

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tgggccaacg agcaggcgct ggcgtccggc ctaatcctna tcaccggggg catcgtggcc 120
acagctgggc gnttnaccn ntgtacttt ggtgcctant ccattgtggc gggcgtgttt 180
gtntgcctgc tngagtacc cgggnaaag aggaagaagg gntccaccat ggtgcgatgg 240
ggncagaagt acatgaccgn cntggtga 268
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<210> 448

<211> 425

<212> DNA

<213> Homo sapiens

<400> 448

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gacaccttca tccgtcacat cggcctgctg ggetttgaga agcgttcgt acccagccag 60
cactatgtac atgttcctgg tgaaatggca ggacctgtcg gagaaggtgg tctaccggcg 120
cttcaccgag atctacgagt tccatctccc aagtggtttg acgggcagcg ggccgcccag 180
aaccaccagg gcacacttac cgagtactgc ggcacgctca tgagcctgcc caccaagatc 240
tcccgtgtgc cccacctcct cgacttcttc aaggtgcgcc ctgatgacct caagctcccc 300
acggacaacc agacaaaaaa gccagagaca tacttgatgc ccaaagatgg caagagtacc 360
gcgacagaca tcaccggccc catcatcctg cagacgtacc gcgccattgc caactacgag 420
aagac 425
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<210> 449

<211> 88

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 449
tcgttgccct gttactgtct gtggnnatgt gcatgggtcaa tttcatgatc ttatgggaact 60
ctttagaatt ngnggaaaat caccggat 88

<210> 450
<211> 214
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
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<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
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<220>
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<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
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<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<400> 450
atctccantg gaaccacgtt gtggcngatg ntggggcctt cctgcggtnc aangagccct 60
taccgganta ngtgnggatg gtgactgant nttcaaataa antacganac tgnccaacc 120
tctctgccac ggacatccaa ntgcttgac gcanatacca gttggaagca gagtttggtg 180
gggtgtctca acnaaaagt gagnaagca acgt 214

<210> 451
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 451
gcggacgcgt ggggcaagac ttttgcccgg tacctttcat tccggcgtga caacaatgag 60
ctgttgctct tcatactgaa gcagttagtg gcagagcagg tgacatatca gcgcaaccgc 120
tttggggccc agcaggacac tattgaggtc cctgagaagg acttggtgga taaggctcgt 180
cagatcaaca tccacaacct ctctgcattt tatgacagt agctcttcag gatgaacaaag 240
ttcagccacg acctgaaaag gaaaatgatc ctgcagcagt tctgaggccc tatgccatcc 300
ataaggattc cttgggattc tggtttgggg tggtcagtc cctctgtgct ttatggacac 360
aaaaccagan cacttgatga actcggggta ctagggtcag ggcttatagc aggatgtctg 420
gctgcacctg gcatgactgt ttgnttctcc aacctgcttt gtgcttctna cct 473

<210> 452
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (225)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (376)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (385)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (387)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (389)
 <223> n equals a,t,g, or c

<400> 452
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 tcgttttggc attgcagcta aatatcagtt ggatcccact gcttccattt ctgcaaaaagt 120
 caacaactct agcttaattg gagtaggcta tactcagact ctgaggcctg gtgtgaagct 180
 tacactctct ggctctggta gatgggaaga gcattaaatg ctggnaggcc acaagggttg 240
 ggctcgccct gggagttggg aggcttaatc cagctgaaag aaaccttttg ggaatgggat 300
 atccagaaga tttgggcctt aatataattn ccattgtgga ccagcagcag gctttttttc 360
 cccccaagaa gattgntcca aaccnangnt gatctcc 397

<210> 453
 <211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<400> 453

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ggcaagatgg tgttgacagac ccaggtcttc atttctctgt tgctctggat ctctgggtgcc 60
tacggggaca tcgtgatgac ccagtctcca gactccctgg ctgtgtctct gggcgagagg 120
gccaccatca actgcaagtc cagccagagt gttttataca gctccaacaa taagaactac 180
ttaacttggt accagcagaa accaggacag cctcctaagc tgctccttta ctgggcatct 240
acccgggaat ccgggggtccc tgaccgattc agtggcagcg ggtctgggac agatttcact 300
ctcaccatca gcagnctgca ggctgaagat gtggcagatt attactgtca gcaatattat 360
actactccct ggacgttcgg ccactggacc aangtggaaa tcanacgaaa ctgtggctgc 420
accatntgcc tcatntttcc gccatctggt gancagttga aat 463
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<210> 454

<211> 332

<212> DNA

<213> Homo sapi ns

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 454

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tggtcatct tggctgtgat ttcagtatat gatttagtgg ctgttttgtg tccgaaaggt 60
ccacttcgta tgctggttga aacagctcag gaganaaatg aaacgctttt tccagctctc 120
atttactcct caacaatggg gtggttggtg aatatggcag aaggagaccc ggaagctcaa 180
aggagagtat ccaaaaattc caagtataat gcagaaagca cagaaaggag tcacaagaca 240
ctgttgacaga gaatgatgat ggcgggttca gtgaggaatg ggaagcccag aaggacagtc 300
atctagggcc tcatcgctct acacctgaat cn 332
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<210> 455

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
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<222> (158)
<223> n equals a,t,g, or c

<220>
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<222> (172)
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<220>
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<222> (243)
<223> n equals a,t,g, or c

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<222> (271)
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<220>
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<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 455

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cgtgggttcca gagagcgggt ttgaccgccca cattaccant ttttnancng agggtcggct 120
ctaccaagta ggaatatgct ttnaaggnta ttaaccangg tggacttaca tnagtagctg 180
atcagcggga aagactgtgc agtaattgtc acacagaaga aagtacctga caaattattg 240
gantccagca cagtgactca cttattcaag ntanctggaa acattgggtg tntgaagacc 300
ggaatgtcag ctgncagcag atcccaggta cagagggcac gctatnaggc agctaacttg 360
gaatacaagt atggctatga gnttcctgtg gncatgcctg tgtaaaagga tttccggtat 420
ttctcaggt                                     429
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<210> 456

<211> 623

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (570)

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<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (604)

<223> n equals a,t,g, or c

<400> 456

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gccggttgcc aggccaaagga gtggactagg gtcgccgggg aagcggtttg ggagagccca 120
tggtgactgc gtgagtggag cccagctgtg tggatgcccc agcatggatg actacatggt 180
cctgagaatg attggggagg gctcgttcgg cagagctctt ttggttcaac atgaaagcag 240
taatcaagat gtttgccatg aaagaaataa ggcttccaag tctttctcta atacacagaa 300
ttctaggaag gaggctgttc ttttagccaa aatgaaacac cctaattattg gngccttcaa 360
agaatcattt gaaagctgca ggacacttgt atattgtgat ggaatactgt gatggacggg 420
atctaataa aaagattaaa cagcagaaaa ggaaaagtta tttcctgaag acatgatact 480
tnaatggttt acccaaagt gccttggagt aaaatnacat ttaccaagaa acgtgtgctn 540
cccaagagat tttnaaagtc ccaaaaaatn tttttcctta acctcaanaa ttgggaaaaa 600
gttnaaaatt ggggaaaaac ttt                                     623
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<210> 457

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

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<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
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<222> (250)
<223> n equals a,t,g, or c

<220>
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<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
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<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<400> 457

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atccngaaac tгнаанccgn tgtgtcanct gaaaaacccat tcggtgtgtc tgcacttgga 60
ggctgcactt gcttgccttc acttatgctt gttctcagaa cacaaacaaa acctgtgaag 120
agtgcctgaa aaacgtctcc tgtctttggt gcaacactaa caagcttgtc ttggactacc 180
agttncaaaag tcttgccacc ggcttccctt tgtaatttaa ctncctgcac ctngggaatt 240
ttgttgggtn aaacttagaa gcgctgaatc atcacatgtt cggtagtccg gggaaccctc 300
ctcctggggc attggcatct gctgcttgct tgcttgctgc aagaagaaaa aaagaaccgc 360
aaaccggac aggaattaaa gaaaaaaggc nttgcgttna accggaaaga aaaagcngaa 420
taccggccgg angaacggaa a 441
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<210> 458

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (278)

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<220>

<221> misc feature

<222> (306)

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<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<400> 458

ncttcctnta ggagcaggag ggatgagcaa gggctctccca gcgcgacagg acatggagaa 60
agagcgagag actctgcagg cctggaagga gcgcgtgggg caggagctgg accgcgtggt 120
ggctttcttg atggagcact cccacgacca ggagcacggg ggcttcttca cgtgccttgg 180
ccgcgagggg cgggtgtatg atgacctcaa gtatgtgtgg ctgcagggga ggcaggtatg 240
gatgtattgt cngcctgtac cgcactttcg agcgttncg ccatgctcag cttctggacg 300
cagcanaagc aggtgggtgag ttcttgctgc ggtatgcccg ggtggcacct tctggcaaga 360
agtgtgcctt tgtgctgact cggtgacggc cgcccgggtca angngcannn aaccatctt 419

<210> 459

<211> 509

<212> DNA

<213> Homo sapiens

<220>

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<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
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<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
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<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
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<220>
<221> misc feature
<222> (424)
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<220>
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<222> (440)
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<220>

<221> misc feature
<222> (472)
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<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
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<222> (493)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (502)
<223> n equals a,t,g, or c

<400> 459
aattcggcac gagctgaagt nactgatgag tataaaaaatn atgtaaaaaa cagatctgtt 60
tatattaaag gcttccaac tgatgcaact cttgatgaca taaaagaatg gttagaagat 120
aaaggctcaag tactaaatat tcagatgaga agaacattgc ataaagcatt taagggatca 180
atttttggtg tgtttgatag cattgaatct gctaagaaat ttgtagaggc ccctggccag 240
aagtacaaag aaccagacct gctaataactt ttcaaggccg gttnccttgc caaaaaatga 300
ggaagaanca aataagtgga gctaattagg nttacagggc agagcaacca agttgaggag 360
tcctgatgna ctctggngaa gttggctcct ctnatttcgg ggttngtgcn gccntgggng 420
ttcncacttt tcatcagggn taatgtgctc ccaggccagg gtttttttag anccggcttg 480
taccngtcan tgncccctng cnggtcttg 509

<210> 460
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 460
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gtgggtgtgtt cttgactccg ctgctcgcca tgtcttctca caagactttc aggattaagc 120
gattcctggc caagaaacaa aagcaaaatc gtcccattcc ccagtggatt cggatgaaaa 180
ctggaaataa aatcaggtac aactccaaaa ggagacattg gagaagaacc aagctgggtc 240
tataaggaat tgcacatgag atggcacaca tatattatgct gtctgaaggc cagcatcatg 300
ttaccatatt aagctgaaaa tgcaccact atctggagat ttcgacgtgt tttcctctct 360
gaatctgtta tgaacacgtt ggttggctgg attcagtaat aaatatgtaa ggcctttctt 420
tttaaaaaaa aaaaaaaaaa aaaaanaaan acaaaaaana tcaanaan 468

<210> 461
<211> 580
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
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<220>
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<220>
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<222> (54)
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<220>
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<222> (249)
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<220>
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<220>
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<222> (427)
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<220>
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<222> (433)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (470)
<223> n equals a,t,g, or c

<220>
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<222> (472)
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<220>
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<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

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<220>

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<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<400> 461

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ggggggggng ggggggtntt aggtttgcct aaaaatattt aggtgacact atanaaggta 60
cgctgcagg taccggtccg gaattcccgg gtcgaccac gcgtccgtcg acccacgcgt 120
ccgcccacgc gtccgcccac gcgtccgccc acgcgtccgc tgtgtcgtaa aatgggggtc 180
ccttactgca ttatcaaggg aaaggcaaga ctgggacgtc tagtccacag gaagacctgc 240
accactgtng ccttcacaca ggtgaactcg gaaagacaaa ggcgctttgg ctaagctggt 300
ggaagctatc aggaccaatt acaatgacag atacgatgan atccgcccgt cactgggggt 360
tggcaatggt ccctgggtcc ctaattcttg ttgctccgta tcgcccact ccgaaaaagg 420
caaaagntta aanaactttg ccacttaaac tnggggttaa tnttcnctgn tnaatttncc 480
ctgttccctt aaaaataatt gaaattatnn aatttcccc tccccaaaaa aaaaaaaaaa 540
ggggggcccc ttaaanattc cccccnaag gggcnaatta 580
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<210> 462

<211> 549

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 462

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tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggcgccg ccacaatggt 120
gcgcatgaat gtcctggcag atgctctcaa gagtatcaac aatgccgaaa agagaggcaa 180
acgccagggtg cttattaggc cgtgctccaa agtcacgctc cggtttctca ctgtgatgat 240
gaagcatggt tacattggcg aatttgaaat cattgatgac cacagagctg ggaaaattgt 300
tgtgaacctc acaggcaggc taaacaagtg tgggggtgatc agccccagat ttgacgtgca 360
actcaaagac ctggaaaaat ggcagaataa tctgcttcca tcccgccagt ttggtttcat 420
tgtactgaca acctcagctg gcatcatgga ccatgaagaa gcaagacgaa aacacacagg 480
agggaaaatc ctgggattct ttttctaggg atgtaataca tatatttaca aataaaatgc 540
ctcatggac 549
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<210> 463

<211> 480

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

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<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 463

gcctctngcg ggccctgttc aagcggaatc ctgccaaaccg gctcgggtcc ggccctgatg 60
gggcagagga aatcaagcgg catgtcttct actccacat tgactggaat aagctatacc 120
gtcgtgagan cagccacccc ttcaagccag cagtgggtca gcctgatgac accttctact 180
ttgacaccga gttcacgtcc cgcacaccca aggattcccc aggcattcccc cccagcgctg 240
gggcccacatca gctgtttccgg ggcttcagct tcgtggccac cggcctgatg gaagacgacg 300
gcaagcctcg tgccccgcan gcacccctgc actcgggtggt acagcaactc catgggaaga 360
acctggtttt tagtgacggc tacgtggtaa aggagacaat tgggtgtgggn tcctantctg 420
agtgcgaagcg ctgtgtccac aaagggccan aacannaata atgcaatagg ggaggtaaca 480

<210> 464

<211> 220

<212> DNA

<213> Homo sapiens

<220>

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<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)
<223> n equals a,t,g, or c

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<220>
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<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
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<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

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<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<400> 464

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gcnaccngaa gncagcctgt tttggaccta aagcggccct tcctnagccg ggagtcgctg 120
agcgggccang cctgcgatcg acttgtngtc gactccntgg gtgctcaatn tccctgcttc 180
tttttgtaa ttccacaca gacatcaagg tgnctgattt 220
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<210> 465

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 465

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ataggcatga gccaccacgc caggccggga atgccctatt ctaattcaca taaagactcc 60
atgtgggcta gcaggcatgt gaaatgtctg ccagtgcata aacagctata taactaagaa 120
gttatctttt tcaactgtctt ctggtactct tcatttcact tgggtttttt agcaattcag 180
gaagctggaa tgtttgaatg ggtttttagct tgataccttc ttctttttcc catttggcag 240
ataataccac tagtctgacg gataaacacc tggacccaat cagggaaaaat ctgggaaagc 300
actgggaaaa actgtgcccg taaactgggn ttcacacagt ctcagattga tgaattgacc 360
atgacnatga gcgagatgga tgnaagaaag gttaccagat gcnccaaaat gggngatgag 420
gaaggctnaa ggggcccg                                     438
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<210> 466

<211> 127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<400> 466

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gcacgattca tgcaaaaagg naactaagca ctatgagatg cttgctaata gancagctgc 60
aaatggtcac tgcatgata tttatgnttg tgcncctgat caaactggac ttttgganct 120
gnagtgt                                     127
```

<210> 467
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 467
gctggaatct ttacaggaga accacttcca agaagatgan cagtttctgg gagccgttat 60
gccaaaggctt ggcataggaa tggatacttg tgtcattcct ttgaagcacg gtgggctttc 120
cttggttcaa accacagatt acatttacct gatcgtagac gacccttaca tgatgactcc 180
tgcagttgct gaantcaggc ctgtcccctg cccacacttg gcactgggca taaagcaatt 240
agggaggaag caggaaaagg ctctgctgct gttgcaactg aatacatgct ggcangataa 300
catgtgccaa tgtcctcagt gactctatgc aatgggggtc acggaatgtg acaatatgct 360
gatgtcctt ggaatcataa taaaatgacc gacaggaaaa ggataaatna tcctctgatt 420
atccaagggtt ttaaaacca 439

<210> 468
<211> 484
<212> DNA
<213> Homo sapiens

<220>
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<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<400> 468

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cctggctctc tgtctcctcc catcgggagg aacagagagc caggaccaa gtccttatg 120
taagcaaccc ccagctggac ataagagatc aagatcaatg ctaaactcca atggttcagt 180
gactgtgggt gtcttcttca agccagctga tacctgtcat actgcaggca tctaaattag 240
aaacctgcga gtaaaactga agaaagaagg atattcta atctttatat tgtgtaatat 300
taaggaatct cttctcgata aaatcacaca tctaagaata aggttaaaan atatttctgt 360
tataccagaa gaaacaacaa tgctgactct ttaatgaana aatactctat antanatggg 420
cgctgaatac tggtgctttc tcacttcang aaaacataat gtntgaaaat ggacgtttca 480
ttaa                                         484
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<210> 469

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
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<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 469
cgccctggcgga ttaccggtct caccatggag cggaaagtgc ttgcgctcca ggcccgaag 60
aaaaggacca aggccaagaa ggacaaagcc caaaggaaat ctgaaactca gcaccgaggc 120
tctgctcccc actctgagag tgatctacca gagcaggaag aggagattct gggatctgat 180
gatgatgagc aagaagatcc taatgattat tgtaaaggag gttatcatct tgtgaaaatt 240
ggagatctat tcaatgggag ataccatgtg atccgaaagt taggctgggg acacttttca 300
acagtatngg ttatcatggg gtattccagt taagttttta ttggttcntg taaaaagatt 360
agttaganga ngctctaaaag ggtttgntcg agttccatgg tggaccaggg ttcaacnacn 420
ctagccgggc cattaccaga atttgttggt ggcaaagncc cgatcctngg ggaaccnttt 480
ctttcggaa 489

<210> 470
<211> 318
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
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<220>
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<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
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<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 470
cntcactata tntgaggagc nggtaccct gnaggtaccg gtccggaatt cccgggtcga 60
cccacgcgtc cgntatgaca acctgatcac accagccatg annggngccg gctncctgca 120
ggggaacgtc gattcttgcc agggtgacag nggagggcct ctggtcactt cgaagaacaa 180
tatctggngg ctgatagggg atacaagctg gggttctggc tnggccaaag cttacagacc 240
aggagtgtac gggaatgnga tggnatcac ggactggatn natcgacaaa tgagggcaga 300
cggctaatacc acatggct 318

<210> 471
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<400> 471
ggagtataca ccattgagcaa agctcaccct cccgagttga aaaaatttat ggacaagaag 60
ttatcattga aattaaatgg tggcagacat gtccaaggaa tattgcgggg atttgatccc 120
tttatgaacc ttgtgataga tgaatgtgtg gagatggcga ctagtgagca acagaacaat 180
attggaatgg tggtaatacg aggaaatagt atcatcatgt tagaagcctt ggaacgagta 240
taaataatgg ctgttcagca agagaaaacc atgtcctctc tccatagggc ctgttttact 300
atgatnttaa aaattaagtc atgtacattt tcatattaaa ctttttggtta aataaacttt 360
tgtaataatc aaaaaaaaaa aaaaaaaaaa aaacccaagg gggggcccgg tccccantcc 420
cccctntttt nattccttn aaaatnccct ggccc 455

<210> 472
<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<400> 472

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gctccaggag tgggacggag ggagctggcc gggatgaagt ctgagactat gtcctgagaa 60
gaaagagtgt atcgtattgg ttgaaaagtt ggtggggtcg ggcttaagcg gaggaggggg 120
ctctctggcc cttactcggc agatggggcc ggagagagga cgggaggtgc cgggagaaca 180
tcgagggacc ggtggaggaa gggtagctgg atgagttttg attcatcatg gataatctgt 240
catcagaaga aattcaacag agagctcacc agattactga tgagtctctg gaaagtacga 300
ggagaatcct ggggtttagcc attgagtcctc aggatgcagg aatcaagacc atcactatgc 360
tggatgaaca aaaggaacaa ctaaaccgca tagaagaagg cttggaccaa ataaataagg 420
acatgagaga gacagagaag actttaacag aactcaacaa atgctgtggc ctttgtgtct 480
gcccattgaa tagaaciaag aactttgagt ctggcaaggc ttataagaca acatggggag 540
atggtggaga aaactcacct tgcaatgtag tatctaaaca gccaggcccg gtgacaaatg 600
gtcanccttta gcaaccaaca acaggagcag ccagtgggtg atacattaaa cccataacta 660
atgatcccnq anaaga 676
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<210> 473

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<400> 473

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ntcgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 60
agaagggggc agcatggcgt acccggggca tcctggcgcc ggcggcgggt actaccagc 120
cggttatgga ggggctcccg gagggcctgc gtttcccgga caaactcagg atccgctgta 180
tggttacttt gctgctgtag ctggacagga tgggcagata gatgctgatg aattgcagag 240
atgtctgaca cagtctggca ttgctggagg atacaaacct tttaacctgg agacttgccg 300
gcttatggtt tcaatgctgg atagagatat gtctggcaca atgggtttca atgaatttaa 360
agaactctgg gctgtactga atggctggag acaacacttt atnaattttt gacactgcag 420
gaatggaaca agtagacca caagaattgg ataaagnccc tgacaacaat gggatttaag 480
gtttgantcc ccaanctggn gaattnaatt gc 512
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<210> 474

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
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<220>
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ggcgtcgang gccnacgggc gcatctacgt ggggaacttc cgancgacgt gcgcgagaag 120
gnacttgga ggacctgttc tacaagtacn gccgcacccg cgagatcgag ctcaagaacc 180
ggcannccctc ntcctgtcgg ccttcgtgcg cttcgaggaa ccccgagat gcanaggatg 240
ctatttatng gaagaaatgg ttatgattat gg 272

<210> 475
<211> 338
<212> DNA
<213> Homo sapiens

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<222> (298)

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<222> (308)

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<400> 475

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cgtccgggcta ccattctgaa acaaagtcaa gtattacatc cagcagccag aatgctggng 120
gagctgncta aggctcaaga tatagaagca ggagatggca ccacatcagn agncatcatt 180
gctggctccc tcttagattc ttgnaccaag cttcttcaga aagggtattca tccaaccatc 240
atttctgagn cattccagaa ggccctggaa aagggcattg aaancttgac tgacatgnct 300
cgacctgngg aactgagnga cagagaaact ttggtaaa 338
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<210> 476

<211> 424

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (378)

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<220>

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<222> (381)

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<222> (388)

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<221> misc feature

<222> (424)

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<400> 476

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agaaacggtg caattcaatc gccgccctaa aggccacttc acaggagatt gtgtcctcaa 120
ttagccagga atggaaggat gagaagcggg atttgctgac tgaaggacaa agtttttagca 180
gccttgatga agaagccctg ggatcccgcac acaggccaga cctgggtccct agcactccat 240
cactgtttga agctgcttcc ttggcaacca caatttctact tcttcctata cgtcaatggg 300
cattatccac aagacaaggc ctacaatttn ttcaaaccag gtaatatattt ggtgcaattc 360
aaattaaccc ttcaaggntt ntaaccnca atcaaccatt agggcctgaa cccgtttttt 420
ttgn                                         424
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<210> 477

<211> 228

<212> DNA

<213> Homo sapiens

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<222> (157)

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<222> (223)
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<400> 477
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ttgtgccttt nggttctttt gccaaccaaa gaactcaatg aacacttctn ntccaagctt 120
aaggcaccga ttcctattga acttggtgtt gtngtancag ccacnttaac ctctcatttt 180
ggaaaactac atgaaaatta taattcnagt attgctggac atnttccc 228

<210> 478
<211> 486
<212> DNA
<213> Homo sapiens

<400> 478
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ggcatgtggt ctccctggag gacgtcggcc tggctgactc gcagtggaag aacgtcaccg 120
tgcaggtggc tggcgagacc tacagcttgc acgtgggctg cgacctcata gacagcttcg 180
ctctggacga gcccttctac gagcacctgc aggcggaaaa gagccggatg tacgtggcca 240
aaggctctgc cagagagagt cacttcaggg gtttgcttca gaacgtccac ctagtgtttg 300
aaaactctgt ggaagatatt ctaagcaaga agggttgcca gcaaggccag ggaggtagg 360
gtgttggtgaa aaatgcattt tatatactgg cttggatgga tttctattgt gacatggtgt 420
atgtgtgtgt gtgtatgtgt gtgcattcat gcttgtaaaa atttaagtaa aaatatttgg 480
gtaact 486

<210> 479
<211> 524
<212> DNA
<213> Homo sapiens

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<222> (369)
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<221> misc feature

<222> (409)

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<222> (432)

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<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<400> 479

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tgtgcctgan ctgtctgcaa taaagaagaa tttgtaaaaa aacggcacct cgctttgctt 120
ttcctccgca accatgtctg acaaaccgga tatggctgag atcgagaaat tcgataagtc 180
gaaactgaag aagacagaga cgcaagagaa aaatccactg ccttccaaag aaacgattga 240
acaggagaag caagcaggcg aatcgtaatg aggcgtgctg cgccaatatg cactgtacat 300
tccacaagca ttgccttctt attttacttc ttttagctgt ttaactttgt aagatgcaaa 360
gaggttggtt caagttttaa tgactgtgct gcccttttca catcaaagna ctactgacaa 420
cgaaggccgc gnetgccttt cccatctgtc tatctatctg gctggcaggg naggaagaa 480
cttgcattgtt ggtgaaggaa gaagtggggt ggaagaagtg ggggt 524
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<210> 480

<211> 306

<212> DNA

<213> Homo sapiens

<220>

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<220>
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<220>

<221> misc feature
<222> (146)
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<220>
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<220>
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<222> (200)
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (275)

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<220>

<221> misc feature

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<400> 480

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agtntnaggc acaggngcag agaagactgg cgtgtgnccc gagctccagg ctgcaccagc 120
aactgncann cannagtgcg tcctnnngaa cagcgaaatg ncccgnaaa cctccaagtg 180
nctgcnaggc gggncgtgtg cacccttctgc ctctctgccc caatgatgaa ggnggggttc 240
tgcccccagg tgnaacatta aacttttccc aggtngggcc tctgttcggg caccatgcca 300
ggtngt                                     306
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<210> 481

<211> 473

<212> DNA

<213> Homo sapiens

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<220>

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<222> (418)

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<220>

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<222> (431)

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<220>

<221> misc feature

<222> (445)

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<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<400> 481

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agacccttg agcaccaacc ctagtcccc gcgcggcccc ttattcgctc cgacaagatg 120
aaagaaacaa tcatgaacca ggaaaaactc gccaaactgc aggcacaagt gcgcattggg 180
gggaaaggaa ctgctcgcag aaagaagaag gtgggtcata gaacagccac agcagatgac 240
aaaaaacttc agttctcctt aaagaagtta ggggtaaaca atatctctgg tattgaagag 300
gtgaatatgt ttacaaacca aggaacagtg atccacttta acaaccctaa agttcaggca 360
tctntggcag cgaacacttt caccattaca ggccatgctg agacaaagca nctgacanaa 420
atgctaccca ncatcttaaa ccagnttggg gcggatagnc tgactaagtt taa 473
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<210> 482

<211> 571

<212> DNA

<213> Homo sapiens

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<222> (13)

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<220>

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<222> (297)

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<400> 482
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gatgacggtn ccgggcgcct ctcccagagga cncttgggtc aaggtggagt atgcctacag 120
cgacaacagc ctggaccccc ggctttttgt agaaagcacc cgcaagggga gtgtagtgtc 180
cagagctaata agcatcggtt ccaccagtgc ctcttctgtc cccaacacag atgatgagga 240
cagtgattac caccaggagg cctacaagga gtcctacaaa gaccggcggc ggcgcgnaac 300
aactttnagg cttgagcaga agaggaggga cgccatcaag agaggctatg atgaccttca 360
gaccatcgtc ccacttgcc agcagcagga cttctccatt ggctcccaa agctcagcaa 420
agccatcgtc taaaaagac cattgactac attcagtttt tgcacaagga gaagaaaaag 480
caggaggagg aggngtcacg ttacgcaagg atgtaccggc ctaaagatca tgaaagtga 540
ctatgagcan attgtgaagg cacantagna n 571

<210> 483
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<212> DNA
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<222> (69)
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<220>
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<220>
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<220>
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acccacgcnt ncgggccagg atgctgaatc tgctgctgnt ggcgctggcc gtcctggcga 120
gccgcgccta cgcggnccct gccccaggcc aggccctgca gcgagtgggc atcgtcggng 180
gtnangaggc ccccaggagc aagtggccct ggcangtgag 220

<210> 484
<211> 439
<212> DNA
<213> Homo sapiens

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<222> (35)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (394)
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<220>
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<222> (406)
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<220>
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<220>
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<222> (434)
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<400> 484
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cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagcag cccagcagcg 120
gctgaccctc tgcctgcggg gaagggagtc gccaggcggc cgtcatggcg gtgtcggaga 180
gccagctcaa gaaaatggtg tccaagtttt taacgatggc agttccaggg aactaatgaa 240
cctcactgga acaatccctg tgccttatag aggtaataca tacaatattc caatatgcct 300
atggctactg gacacatacc catataatcc ccctatctgt tttgttaagc ctactagtgc 360
aatgactatt aaaacaggaa agcatgttga ttgnccaaaa aaattngggg gggnaaaaaa 420
ggggaaaatt ttanttttt 439

<210> 485

<211> 115
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<220>
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<220>
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<222> (104)
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<400> 485
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aaatggacnc nccctgtctg actacancnt ccacaaagaa tccnccctgc acctg 115

<210> 486
<211> 558
<212> DNA
<213> Homo sapiens

<220>
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<222> (402)

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<222> (404)

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<222> (410)

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<222> (416)

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<220>
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<222> (469)
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tattatgagt aaaagtttgc atgatgatgg ntttactgnt ccacagatta ttgaaatgga 180
gctggatagt caggagcaag ttgttggtgc aggatcctcc tgtgacttac attcagcaat 240
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ccaagcctgg gactttggtt caagtgcttg aggctgcaaa gtttgcatag gangagaatc 360
tttgataaac tcaataactc cttgtgctga cggaattcat tngntggtan gactgnggac 420
atgccctggt gaatccttga gtgcaataaa tcaaagtaga aggccttgna taatttaaata 480
taaattanac tctgnactat gtaataaccg gaaaggnaac tgcaatcaaa tttgcttgna 540
tggaatgggg caaaatta 558

<210> 487
<211> 354
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
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<220>

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<222> (239)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 487

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gctctgctca acngngangg ntcggcacia cattcagaag gaattatgtc ttcattgctgc 60
tcaaggtctc gctcagctna aggcattgtac ctacaaaggt cacaagacag gtggnactgn 120
agagcanata tgggagatcc agaaggatca acttntatac tatccattct taaaaatgtg 180
cctttcagca aatgntgagc atncaagctt agtggatgca acccatcana accactccna 240
aaatggatag ttagccaaaa tgattaagcg ttccttaaaa ttaacttgac caaggaaata 300
tcctttntca taaanctgtg actaggcata cactgtagnt gtnganaatt atgc      354
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<210> 488

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
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<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
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<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 488

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aattcggcac gagaaagcgc atggagacta agggagctgg agtgaccctg aatgttctgg 60
aaatgacttc tgaagattta gaaaatgctc taaaagcagt catcaatgac aaaagttaca 120
aggagaacat catncgcctc tccagccttc acaaggaccg cccggtggag ccgctggacc 180
tggccgtggt ctgggtggag tttgtgatga ggcacaaggg cgcgccacac ctgcgncccg 240
cnccccacgg acctcacntg gtaccagtac cattnccttg gccgtgantt ggtttccntn 300
ttggcccttg gtcttgaaat tggccttaat aacctttaa attttgctnt natggttacc 360
cgaaaatttt ggggnaaaaa agggccnttt aagaaagccn caaaatnaga cnnccctttg 420
aaangggtn gganaaaggn naaaattttt accttncccg gnatttccna atttnaanag 480
atagngttta aanatttttt tttttagg 508
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<210> 489

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 489

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ccnccggtggg atgttgagct gaggccggag gagaagtagc agtcgctggc agagcacaca 60
ggctgctctg ggggatgagc tgggtgcgtt aaggaacagg ccagcactgg cattcgcaag 120
cagtggggaa ggggagagat gccgaggtgg tcagtatcct gactttcaga ggcctttttt 180
tgtttgtttt aatttttgct agattgatat taaaaactca tgtggaggaa ctcaaggaat 240
gtttagaaga ccaaaagtcc ccaatgacag gaacaaaagc aaccaatttt taactttctc 300
ttctcattcc tgttttcatt gatttccac atgtagtcc tttgctcagg aagtctttgg 360
ggaaattaag gatctttgaa gctctgaaat aggtgatcag gttagtgggtg tctgtcagct 420
gtctg 425
```

<210> 490

<211> 607

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 490

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ancanncnna caccacctca ctaaagggaa caaaagctgg agctccaccg cgggtgcgncc 60
gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgagaagc cgtcaaggag 120
tagaaattgg tatgcttaga agcagattct aaaagcagtt tctcttcaga acatcttttt 180
tcataccact tgataagcat cttgaaacac catggctgta gctgcagtaa aatgggtgat 240
gtcaaagaga actatcttga aacattttatt tccagtccaa aatggagctt tatattgtgt 300
ttgtcataaa tctacgtatt ctctcttacc agatgactat aattgcaacg tagagcttgc 360
tctgacttct gatggcagga caatagtatg ctaccaccct tctgtggaca ttccatatga 420
acacacaaaa cctatccctc ggncagatcc tgtgcataat aatgaagaaa cacatgatca 480
agtgtgaaa accagattgg aagaaaaagt tgaacacctt gaggaaggac ctatgataga 540
acaacttagc aaaatgtttc ttctactacta agcaccgttg gtatcctcat ggacggtatc 600
acagatg                                         607
```

<210> 491

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<400> 491

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aaactgtaat tgcaatgttg aggggtgact tgctaaccag tcagttgaat tccaggcaca 60
gattgagttg cttctggagt nggcagggtc actgtgaacg cctacgtgag cctcttctac 120
accataaagc gggcacaaagt ggtcagtcct gaaagagtcg gaagctggca tatcggccgc 180
ccaagtgacc ctgtccagtg tctgcttgcc atcctgccag aacaggccct caagcccaag 240
agccatccca ggcctgtttc agctncagct aaagcctctc tttcatctgg aagaagaggc 300
aagggggcag gagaccaggc tctagctctg gggccntcnt tcagcccca tcnggggaat 360
aaanttantt t 371
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<210> 492

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 492
ttgagtcgtg ttaatgtaag aatgactcct atcattagga gtgctgctcg gaggttactc 60
acctttggga gtaataactga agagaggggt ctgcagaaag gatgtgtatg aagcttagat 120
aataatggct gtttcgtaaa ctgtttgaga cctattaatg aaaatgacta tttcttgctg 180
tttttatcca acgtctgcat tttccccctt taaagctgcg gtctcctggt tgataaaaaga 240
atattggcca gtattgcaga ttttaactgg atttggtga tcctccaggg gaccagtttc 300
tgtgggctgtg tattggagca ggtttgtctt taactcttaa atggttnggt ccnaattttt 360
aaaaaggaag ggccccaagt agcccagatt taaaggngta tnccattcc caaagttcct 420
tggaacaatt accnaaagga 440

<210> 493
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 493

ngggagctgg cctggagcgn atgggcnccg tgatggatcg catggccanc ggctgncagc 60
gcatgggccc atcaatctgg agcggatcgg 90

<210> 494

<211> 218

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<400> 494

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gggtcgaccc acgcggtccg ttttttntn tttttttagn tccannttt tantcaagaa 60
ctcatacaaa atttttcnga taaatgnaat ttaancctcg tcttctcct cttcttcgtc 120
ctggttaatc tgggnagtaa cgtaattcgt aactctcttt ggntgtnagc aactgacgcg 180
caaccagttc angtagatta ttcttcttca aatatngt 218
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<210> 495

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<400> 495

gttttttaaaa aaaacatgtc atgtangttg tctaaaaata aaatgcattt aaactcaaaa 60
aaaaaaaaaaaa aaaaaaaaaa aanagggggg gggcgnggga aaaaaaaaaa ngaggntgag 120
gntttgaaga agggaagggg ggccccc 148

<210> 496

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<400> 496

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atgacccaca ctgccagaag agaattcagt attttttact tttcacactg tcttcccgat 60
gaggggaagga gcccagccag aaagcactac aatcatgggc aagttcccaa ctgagtcac 120
ttgtgagtgg ataatcagga aaaatgagga atccaaaaga caaaaatcaa agaacagatg 180
gggtctgtga ctggatcttc tatcattcca attctaaatc cgacttgaat attcctggac 240
ttacaaaatg ccaagggggg gactggaagt tgtgggatat caggggtataa attatatccg 300
tgagttgggg gaggggaagac cagaattccc ttggaattgt gtattgatgc cattntaagc 360
ctaaaagatc accttgatt cnccttacct tctaaaagcc attatttatg gngttagaag 420
aagaggaaga aattcaggta ccgnaaaaca cttttgttcn gggggggggc cgtaaccaat 480
tcgncccata gtgagtcgta ttacaatcac gggccgctgt ttacacggcg gacngg 536
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<210> 497

<211> 93

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 497

gtgaaacatc aataaagacc acttaatgca cgctttcaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaannaanna nat 93

<210> 498

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 498
cgggaccnaa ggaggagctg cgtggcgggc gtggcgacat ggcggacctn ccgaggcggg 60
tgacgcgccc cctgatgatg ggcctccagg ggagctcggg cctnanggcc tgnacggtcc 120
agaggaaaag ggccgggatc gtgaccggga gcgacggcgn acaccggagc gagcgcgagn 180
ncgccgggac cgggatcgtg accgtgaccg tgaccgcgag cacaaacggg gggagcgggg 240
cattnaancg gggcagggat gaagcccga gttgggggcg gtggccagga caacgggttg 300
gaaggttttg gcaacgacag ccgagaattt tacntgaatt ttaaggcggc nacgttactt 360
gtnccggaat ttggttnttt attgaagttn cc 392

<210> 499
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 499
ggtaagagca acgtgctttg ggngcagaga agagggagan agcagcatct tgcctggatn 60
agccagggga cacagnanag aagcccacct ggacacaaca ccanaaaggc ttcntattcg 120
ggtgtggagt cttttcagca acccggtcca gtactgggcn gatacagcca tccaccttac 180
agatgtgtct acgtgacgct ctgccattnc anctcgggna ctatangtaa ttctcaagaa 240
agccctcatt tttataacct gg 262

<210> 500
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 500

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accacaaagc ccccctggag catcttcccc gctggcagga ccatgccatc tctgtggaga 60
aggtgctggg gaggggaagtc cttccagtc caccatggagt gagggccctgc ccatgctggg 120
gactttgggg aggaatttgg tattctgggt gccttgctca gctctcattg agatcttttc 180
ctatcagaat gttagtgaat atacttcgca gctctttgtt cagcaataag gaatattctt 240
tcaattcctg ctcttcaagc caatttacta caccatttg tctttccaaa attcatcca 300
acggtatant tggtttnggt cctccttgga ttcaatctgt ttcttggtta aattgaacct 360
gtccattgtg aatcctctta attncctcct cccaaaanaa ccagnncttg taaatttntg 420
gccaaactcca ggggcca 437
```

<210> 501

<211> 180

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

<223> n equals a,t,g, or c

<400> 501

```
gagaactagt ctcgagtttt tttttttttt ttttttgggt ttttggtctt ttcaaaggta 60
atggcccatc gatgagcatt ttttaacatac tccatagtct tttcctgtgg tgtaggtct 120
ttatttttat ttttttcctg ggggctgggt ggggttgggg gncanngggg gaantgncct 180
```

<210> 502
<211> 436
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gggagcttcc tgagagggcc gtgtcttggg agcaaggatga catatccagt ccangcacgc 180
ggaacatgac tcagaantng ggaaacaaaa aaccatcccc cncnngaang gggggggcca 240
ggccccctaaa aagcacaatg gnggcnggtg gaattnggggt taaaatntcn gggttcnaaa 300
aagaccatat ttttttttcc cagttcnntn gcccncctt ttnttgtaa ggggggggggt 360
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ccttcccgcc tttttn 436

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nnctcaaadc cngtgactgg gatcactcaa cagnacngtg atgtangann nncaangagg 120
tgccnnnctn aactgaccaa atgctgcctt gtttgcccc taaatcaata aaatatgtna 180
aaatttgtat cccctgttgt ggcatttttn tnagataatc naagcnagaa aaatganang 240
gaatnctgga ccnggnnggg aaggaaaaga accctttctt gtcgctggna actgtgttgg 300
taaggaagtc caaatttgtg catatgaaat aagccgnaac cgctggaacn nactcctat 360
gcagctnctc ttganccana aacaaggagc ttggtctaata gganatacac tgtgcttg 418

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atggtaatcc tgctcagtac gagaggaacc gcagggttcng acatttggtg tatgtgcttg 120
gctgangaac caatggggcg aanctaccat ctgtgggatt ntgactgaac gcctctaatt 180
cnnaatcccg cccatgcgga ac 202

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tcagcatctg caatgggccca aacacacctc aaattggctg agttgagaaa gcagccccag 120
tagttccatt cttgcccagc actttctgca ttccaaacag catcctacct ggggttttta 180
tccacaaagg ttageggcca catgggtttt aaattatgaa gaaacacatt tgcctctcc 240
ttttatccaa gcaggaanat cctatatccc tgatgggtta aaacaaatcc aggccaccct 300
gaatttgcta ccccaaaaaa gagatttggg taanctgttt cncgggtttg ttccctaagg 360
ccatatttta aaattaccac tctgggggtc ccntnaaaac ccngccggg gaccatcttg 420
cnntntgggt aaaacccccct gtttcaatct cttaaattnc ccctaaggag ggggttggt 480
tnaaaatttg ggggaactta tcncccttca nggtttttcc ggggtacccc cccttgngg 540
gggaaaccct ggctcgggga ntganaaa 568
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<212> DNA

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taatttaagt aattgctgac tgcatagtc ttttccttna gaggtctctc attttaattc 120
aaaaagttag catatttatn aacctatgaaa tttgaaaacc agggcttttt ttttttngg 180
gggggttg 187
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<212> DNA

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<400> 507
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cccnnncc 68

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cgatgaaatt ttaacatcca aagggggata ggcacttggn nccccattc tnccaaggcc 180
cgggggggcg gtttcccatg ggaatgtgaa aaggctggcc attattaagt ccctgtaaat 240
naatgtgaaa cccacccggg gcaccccccg tcccccaaag ttttggttgt ttaaaaataa 300
gnnttccatg ggnagtttt aaaaacctgg tngccccgnt tttttttnaa ttaaaataag 360
ggtnag 366

<210> 509
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<212> DNA
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agggaccagg ttcgagaccc aaaccncnaa aatccaaaac ttctcttgaa aagttcaggg 180
accgtccagg ggagatgggg nggagatatg gagtgagtca cctgactcca gaagatgcca 240
gnttctctct ccagggtgct tagttggctt tgaccacccc tnaactcccca gggagctctg 300
gggcacagct tcctgcacan ccctgtgccc aaccacacag ctgccntagc tgnaccccca 360
gaagtgtctt tggntgaccc tntggtgtgt ggtgaggggt ttgtgttccc ttinctgtttc 420
agaccctcga ttttccgtaa tggtttggn gagttggga ggttcaagca gagtgtttta 480
ttattntcgg tttatg 496

<210> 510
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<212> DNA
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gaacgatacg gcagcgccgc ggagcctcgg ttggcctcgg atagccggtc ccccgccctgt 180
ccccgcgggc gggcgccccc cccctccacg cgccccgcgc gcgcgggagg gcgcgtgccc 240
cgccgcgcgc cgggaccggg gtccgggtgcg gagtgccctt cntcctggga aacggggccc 300
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nct 363

<210> 511
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<212> DNA
<213> Homo sapiens

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<220>
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 cccacntttc cgcataagggtg ttcatactgn tacatgcaga acatttgtca ggctctctgt 120
 cagctttcat gtacatatgg tatagaaacc atggagtttag gcacttcctg gatttttttt 180
 ttatgagaaa aatactgtat ttaaaatgta aaataaaactt ttaaaaagca aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa aaaaaaaaaa agaaaaacag 300
 nttaaaaaaac anaaaatnaa aaaaaaaaaa a 331

<210> 512
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<212> DNA
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tcattttcaa aaaacaagca tgactcacca aaagttttaa gattttctgt gataatgttc 120
ttattgaggc ttacattata ttacagtttc ttgaatetaa aatgatgtac cctcttagga 180
tatatacatc atgcttcatt ggtctcaggg ggctgatttt tataaggaga gatttgctag 240
ttttcacaat atgtcctcta agttggcatg tatagctaaa caggctttca taaaaatata 300
caatttagtt aatgaaattt gggatatagt cttttatgat tgaaataatt ttgctaaata 360
gactgtctct gatttattag gtaatcacca ctcttatttt gttttacttc cttaatgtct 420
acatagaaag gaaatgagaa aaatccagag gttgtcattt gacttatgag tctgtttgac 480
ttcaggattt ggtacatgaa atttcaacta atctttttga tatgtataaa acaaattattc 540
tgggtaatta tttttatcct tttggttttg antccttttt attcctatca tattgaaatt 600
ggtaagttaa ttttcctttg aaatattcct tatagccagg tctaaaattc aatgggccca 660
caaccgncaa ccgccaacaa caaccaaccc cactttacta tcatgggtgg gtgcctccaa 720
tttnccttct gggaaccacc cagttaantt aaaa 754

<210> 513
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<400> 513

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tttcaagaat ntcgcaatta ctaagaagca gataatggtg ttttttagaa acctaattna 180
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ttangnggggt tttgaaatct ngccccagac atactgtgtt gngagatact tagngggagg 180
gagtaggttt tnangngggt gatggtggtg gggaggggaag gcctcctgaa ttgngtttga 240
tgcagagcctt tttagccatg angaatcttt cagtcatagt actaataatt aaatttnca 300
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ncattacctg atggtagaaa taaaataatt cactttaaaa aaaaaaaaaa aaaaaaaaaa 180
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tagcctnttc tctgccttac tt 82

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agctgagctg ggaggagcag ggtgagggtg ggcgacccag gattccccct ccncttccca 180
aataaagatg agggactta aagttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 237

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aacagccccg gcgncgcctc tattggtctt cggccttggc aacggccgct gtcattggtta 180
ctggccctaa cagccgatgg ccgaagccga cctgccaccg ggccggggtcn ctggttggcc 240
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tcggaggcca tctcgggcac agggccaccc cggccacccc ctccagaaca cggctcacgc 180
ttacctcaac catcctggct gcggcgtctg tctgaaccac gcgggggcct tgagggacgc 240
tttgtctgtc gtgatggggc aagggcacia gtccctggatg ttgtgtgtat cgagaggcca 300
aaggctggtg gcaagtgcac ggggcacaag cggagtctgt cctgtgacgc gcaagtctta 360
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tctgtgctg 129

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 aaaattaaat gngganttca ctttgcagtt gctgctgtnc aacgnacatt actcaatctt 180
 tatgtncggc attctatgct ctactgggga aatttgggta ggagtgangt atttngtata 240
 catatctnca tttaataatg gcaatngctg ggtctatctt actattttan ctattggata 300
 aatattttgt ttcccccagg tgctggggnt gcaggcgtgn cccactgng gcccgccac 360
 attcagttct tatccaaggg ataaccncng cnt 393

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<211> 146

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ataaaaactga aaacagacta tcttta

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cagccaaggt tgcggggggc gcagagccgg acgaagacgg agggcggagc ggcttcggga 180
ctgcggagac tacacaccga gcgagcgctt gggcccgaag gagcgatgct gtggttccag 240
ggcgccattc cggccgccat cgcgacggcc aaaaagancg gcgcgtcttc gttgtgttcg 300
tggcagtgat gatgaacant ctacacagnt ggcttcaagt tnggaa 346
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tcctaaacta ccaaacctgc attaaaaatt tcggttgggg cgacctcgga gcagaacca 180
gcctccganc antacatgct aanacttcac cagtcaaagc gaactactat actcgattga 240
tccaataact tgaccaacgg aacaagttac cctnngggata acagcgcaat cctattctan 300
agtccatata aacaataggg tttagacact cgatnttgga tcatgacatc ccgatgggtgc 360
agccgctatt aaaggttcgt ntgttcaaca attaaagtcc tacgtgatct gagtncanac 420
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ctgncaaaaag agtctnaagg nacagcttcc acccatggag tggaagactt ccttctgggg 180
tggctttgtg tgtagggnc tctgctgggt ccacaaaatn gcttcatctg cttaaaattt 240
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aatatttgtg nggttttttt ccacagtga aaatgaaatt atgcagaaaa tgttccccac 180
aacatgacag ngaaaggaat tctgggacac gttttttccc agtcccatta ttttcacagg 240
gatcggtctg aatacagggg caaaggatct ctttgccaga atgtgccaaa ntngntgaaa 300
aaggtaactg tttatcnctg atn                                     323
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<210> 528

<211> 220
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aagtggaaca gcccggagcc tgtatgtgaa aggnccacgg gtgttntaag ctagggacac 120
ggangtccaa acttggaatc aaacggncgn actgttaaC tatatcttat naactnatta 180
aatgaaaaca ttttgctccg taaaaagaat ataaaaaagt 220

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<211> 285
<212> DNA
<213> Homo sapiens

<400> 529
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tcctttcacg gggaatacaa cacttatgag gtgggtttaga caaattaatg accacttcca 120
tgtaaaagga tgctcttatg ttctatataa gcctcatggg aagaataaaa cagcaggaga 180
aactgcttca ggggccctgt caaagttaac ccgtgggatt gaaagatgaa tcgctggctt 240
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ctgtgatgag gacccaaag 79

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gactnaggag gagnggtttg aagttgatca gctccagggt ttgtgaaaat tcantccgca 180
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<212> DNA

<213> Homo sapiens

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 aaattttaaa aatctgaagg gnaaatgttt tgtgaaacat ttattttttt aaaggaaaag 180
 ntgaaaggca ggcctatttc atcacaggac cacacacatn tncncggnnt agggcatnca 240
 nactcaatgg ctttntttgt gaaatttggg tgtttttttna atttnttnt gntcaaattgg 300
 atgtggccaa aaacctttta nctgggttgg cntgggaaat t 341

<210> 533

<211> 208

<212> DNA
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ccatgggctg anacctgacg gtgaaagatg ctggcgggca acnaattcca ggtgtccctg 120
aagncagctg ccatgtgggt gtnaaagctg aaggcgcgag ntncacccag naagatcggg 180
gtgcacgctn tnttagccag gcgtttgg 208
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<212> DNA

<213> Homo sapiens

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ttagaaagtt tcaacagggt gctgctggca acatgaaagg natgatggga attcaatgaa 120
tatgtgaaag gaaaatgccc ttgaatatga anctgaaactg canttgaaat gacctgaatt 180
tgcctgagaa cctgcagcgt ttnccttcc tttttgccga aattgggcgg ggaaagtgtg 240
attttnnctn ng 252
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<210> 535

<211> 380

<212> DNA

<213> Homo sapiens

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tagagagtta agatgtaaat gtgttctcac atgtnaantt tgagagttca ggggtctatt 120
atggaatgat acacnttttt aatgaaccnt aaaatanttc actaagntgt ttgccttcca 180
nagtgtttac ccttaagcct taacntgtat ctncnttcag aaaaccgtta tnttggtgcaa 240
accatagtag gaaganaaac ctttatttgg gatataacac tactgtaagt tatgttacag 300
angctananc cancccncgt tgttananta nangagccaa aannancaan agaaaaaagg 360
ggaaaagaaa aactaatang 380

<210> 536
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cgcaggtntt ctgcgcgcc cggttcagcca t 91

<210> 537
<211> 316
<212> DNA
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<400> 537

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atTTTTaaac atctgataaa acttaagctt ctttttcaga tgTTTaaatt ttatcatcct 120
TTTTTTTctc atgaattctt aaaggattat gctTTaatgc tgtnatctat cttattgttc 180
ttgaaaatac ctggcatttt ttggtatcat gttcaaccaa catcattatg anattaatta 240
gattcccatg gccataaaaa tggctTTaaa agaatanata tatatttntn aagtagctga 300
gaagcaaatz ggcngt 316
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<210> 538

<211> 374

<212> DNA

<213> Homo sapiens

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tgatcccat cgctgtgggt ggtgccctgg cggggtggt cctcatcgtc ctcacgcct 120
acctcgctcg caggaagagg agtcacgcag gctaccagac tatctagcct ggtgcacgca 180
ggcacagcag ctgcaggggc ctctgttcct ttctctgggc ttagggtcct gtcgaaggga 240
gggcacactt tctggcaaac gtttctcaaa tntggttcat ccaatgtgaa gttccatctt 300
ggnaancatt tgactatgca caacagatta attancgaaa tggacgggtgt tnantttggc 360
taaattgggtt aaat 374

<210> 539
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<212> DNA
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cncgacctgg cgcggcagac anggctcgaa gacctcatct ttattaana 109

<210> 540

<211> 396

<212> DNA

<213> Homo sapiens

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<222> (340)

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<222> (353)

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<222> (366)

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tgtggcgggc aagcgttcat agcgacgtcg ctttttgatc cttcgatgtc ggctcttcct 120
atcattgtga agcagaattc accaagcggt ggattgttca ccactaata gggaacgtga 180
gctgggggtt agaccgtcgt gagacagggt agttttacc tactgatgat gtgttggtgc 240
catggtaatc ctgctcagta cgagaggnac cgcagttcag acattggtgt atgtgctggg 300
ctgaggagcc aatggggcga aactacccat ctgtggggan tatgactgaa cgncttctaa 360
gtcagnatcc cgcccaagcg gaaacgatan ggnagc 396
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<210> 541

<211> 429

<212> DNA

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<400> 541

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aagcagaatt caccaagcgt tggattgttc acccactaat agggAACgtg agctggggtt 180
agaccgtcgt gagacaggtt agttttaccc tactgatgat gtgttggtgc catggtaatc 240
ctgctcagta cgagaggaac cgcagttcag acatttggtg tatgtgcttg gctgaggagc 300
caatggggcg aacnaccatc tgtgggatta tgactgaacg cctctaagtc agnatcccgc 360
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cccgccctgt 429

<210> 542

<211> 617

<212> DNA

<213> Homo sapiens

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<400> 542

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ccacgcgtcc  gagtttccct  caggatagct  ggcgtctctg  cagacccgac  gcacccccgc  120
cacgcagttt  tatccggtaa  agcgaatgat  tagaggtctt  ggggccgaaa  cgatctcaac  180
ctattctcaa  actttaaatg  ggtaagaagc  ccggctcgct  ggcgtggagc  cgggcgtgga  240
atgcgagtg  ctagtggggc  acttttggt  agcagaactg  gcgctgcggg  atgaaccgaa  300
cgccgggtta  aggcgcccga  tgccgacgct  catcagaccc  cagaaaaggt  gttggttgat  360
atagacagca  ggacggtggc  catggaagtc  ggaatccgct  aaggagtgtg  taacaactca  420
cctgccgaat  caactagccc  tgaaaatgga  tggcgctgga  gcgtcggggc  cataccccgc  480
cgtcgccggc  agtcgagagt  ggacgggagc  ggcgggggag  gcgcgcgcgc  gcgccgtgtt  540
ggtgttcgcc  gncttcccag  tgggcaagcg  cccaacccc  ctctcttntt  ggttcctctt  600
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<211> 302

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gtcagctcaa tggnnacacag agcacgggct tttggnttct ttgcagtact ttgaatttat 180
ttttctacct atatatgttt tatatgctgc tgggtgctcca ttaaagtttt actctgtggt 240
gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaag gggggccccc nntaaggggc ccnantttng 300
ga 302

<210> 544
<211> 534
<212> DNA
<213> Homo sapiens

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gaaaccaaac gagctacett nnagaacgct aaaagagcac acccgtctat gttngccaaa 180
tagtggaataa aatttatagg ttgaaggcga acaaacctac cgacctggta atactgggtt 240
gttccaaaat anatcttaat ttccactttt aattttgccc ncnaaacccn ctaatncccc 300
tttttaattt actgttnngn tccaanaag gnaacncnct ttgggacnct tngaaaaacc 360
ttttttaaaa aaattttaaa tttntncccc ttntgggggc cctaaacccc ccccttttna 420
aaaggntttt tcaccncccc ccccccccg aaaccccccc nttttttttt ccccccccc 480
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<210> 545
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<212> DNA
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actttaatct ccaccagccc ttaaagtgtc ggccgctctg tgactggant tatgctcttt 180
tgaaatgtca caaggccgcc tcccatctct ggggggtattg ttacaaattc ttcctctccc 240
tgaaatngcc tttcctgctt tcctccgtgg gtaagttna ncaaatttcc tctagcttnc 300
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<210> 546

<211> 269

<212> DNA

<213> Homo sapiens

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<222> (232)

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<220>

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<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

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<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<400> 546

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ggattcttct cactagtctt aacaaaaatct gtgatgttaa atgactgatg ctctcaattg 120
tgatccagag ttttaaataa atgaaatcaa ggtgggattt tggaatatata tcctgaantt 180
taacatcttg atgttccttc ttgtttgtta aaaaaaaaaa aaaaaactcg angggggggc 240
cggtagccaa tnccccctaa tagtgannc 269
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<210> 547

<211> 82

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (54)

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<222> (56)

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<221> misc feature

<222> (63)

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<400> 547

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atnccggccc tgatgggtcac gg 82

<210> 548

<211> 362

<212> DNA

<213> Homo sapiens

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<222> (311)

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<222> (338)

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gtatttagtc tccattgtct tgcattggga ttgagaaga aaatcagaga gggaagatct 120
ggtatttcct ggcctaaatt ccccttgggg aggacagggg gatgctgcag ttccaaaaga 180
gaagggttct tccagagtca tctacctgag tcctgaagct ccctgtcctg aaagccacag 240
acaatatggt cccaataaac cgaatgcacc ttctgtgctt ccancctctt ccttgaaatt 300
caagggtctt nccgtttccc cattcccccc cagggccantc caanttattc caaacctgn 360
tt                                                                 362
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<210> 549

<211> 448

<212> DNA

<213> Homo sapiens

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<222> (239)

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<222> (251)

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<222> (281)

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<220>

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<222> (437)
<223> n equals a,t,g, or c

<220>
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<222> (446)
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tgagggtgggt ctacctcatc tctgaaaatt ctggaaggaa tggaggagtc tcaacatgtg 120
tttctgacac aagatccgtg gtttgtactc aaagcccana atccccaagt gcctgctttt 180
gatgatgtct acagaaaatg ctggctgact gaacacattt gcccaattcc aggtgtgcnc 240
agaaaaccga naatattna aattcccaat ttttttctta ngancaagaa aaaaatgtng 300
ncctaaaagg ggttaattna aggggttagg ggttatgaaa gancttgatt tggatctctt 360
tttattttta tttnaatttc acttttgaca tccaanaaaa actttgttga aatacttctg 420

ttctcaatgt ttgganaaa aatcanc

448

<210> 550

<211> 502

<212> DNA

<213> Homo sapiens

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<222> (25)

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<222> (153)

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<222> (158)

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<222> (207)

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<222> (296)

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<222> (318)

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<222> (327)

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<222> (329)

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cgcaatagat atagtaccgc aaggagaaga tgaaaaatta taaccaagca taatatagca 120
aggacttaac ccctatacct tctggcataa tagnaattnaa ctaggaaatg aactttgcaa 180
gggggagcca aagcttaaga cccccgnaaa ccagacggag cttaccttaa ggaacagctt 240
aaaagaggca caccgcgtctt atgtaggcaa aatagtgggg aagggtttttt aggttngagg 300
cggaccaaac cttaccgngg cctggtnngt agcttggttg tnccagggtta ggatctttta 360
gtttccaaact ttaaattttg ncccacagga acccttttaa atccccttgt tnaattttta 420
ccgtttngtc ccagggggg accagttttt tggccattgg ggnaaaacct tttggggggg 480
gttaaaaatt ttncctccct gg 502

<210> 551
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<220>
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<222> (107)
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<400> 551
aaaaaggaaa ttaagagaag gtagaaattt aaatntttta atgaaaataa tgctttnaat 60
cattaaaaca ggatatgaat actccaatcc tttttaanat tatnacngtt ttcaaaatt 119

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<212> DNA
<213> Homo sapiens

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<220>
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<222> (357)
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<220>
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<220>
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<222> (373)
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<220>

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<222> (379)

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<220>

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<222> (389)

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<400> 552

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aaccaagcat aatatagcaa ggactaacc cttataccttgc cataatga attaactaga 120
aataactttg caaggagagc caaagctaag acccccgaaa ccagacgagc tacctaagaa 180
acagctaaaa gagcacaccc gtctatgtng caaaatagtg ggaagattta taggttgagg 240
cgacaaacct accgagcctg gtgatatgctg gttgtccaag ataaatctta gttcaacttt 300
aatttgccca cagaacctct aatccccttg ttaatttact gtttgtccaa agaagancac 360
tctttggacn ctnggaaanc cttgtaaana aattaa 396
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<210> 553

<211> 253

<212> DNA

<213> Homo sapiens

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<222> (96)

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<222> (230)

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<400> 553

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acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120
tattcttgga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttn ctcctaccaa 240
ggctattaac aat 253
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<210> 554

<211> 431

<212> DNA

<213> Homo sapiens

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<220>

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<222> (306)

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<222> (354)

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<222> (383)

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<222> (417)

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<222> (430)

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<400> 554

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gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacacccgtc tatgttngca aaatagtggg aaaaatttat 300
aggttngaag cgacaaacct acgagcctgg tgatactggt tgttcccaga atanaatctt 360
agtttcactt ttaattttgg ccncagaacc ccctnaatnc ccttggttaa tttactnttt 420
agttccaaan a 431
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<210> 555

<211> 489

<212> DNA

<213> Homo sapiens

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<222> (184)

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<220>

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<222> (186)

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actctgnagt cctaattntt ctagttggac caaaaaaaaaat ccnnattggt tgatctaang 180
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacy anctgtccgg 240
ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300
ttaatatgt ccctattagc antcactaca anctatttct caaatntacn tatttctccg 360
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420
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aaagcnanc                                     489
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actgantgct gctanct 77

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taaccaagca taatatagca aggactaacc cctatacctt ctgcataatg aattaactag 180
aaataacttt gcaaggagag ccaaagctaa gacccccgaa nccagacnag ctaccttaga 240
acagcttaaa gagcacaccc gtctatgtn caaaatagtg ggaaanattt atnngttgaa 300
gcgacaaacc taccgacctg gtgatactgg ttntccaana tanatcttan ttcactttaa 360
tttgccacng aacctottaa tcccttgta atttactgtt antccaaaaa agacactctt 420
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agggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatagt ttatcagtaa 240
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ctgcttttct gagtggtgat ggggggttacc atcttgatcc actggtgctc ttagaangcc 180
canaanntct ttgggcattg ncaaggaaat cccggattat ctggaaaacc ctcnctttct 240
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taaggcnagc tcagggagga cagaaacctc ccgtggagca naagggcaaa agctcgcttg 180
atcttgattt tcagtacgaa tacaagaccg tgaaagcggg gcctcacgat ctttctgacc 240
ttttgggttt taagcaggag gtgtanagaaa agttaccaca gggataactg gcttgtggng 300
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<210> 561
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gctctcgctt ctggcgccaa gcgcccggcc gcgcgccggc cgggcgcgac ccgctccggg 180
gacagngcca ggnggggagn nngac 205

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ttgcattgcc natcttaatg gcagcttatg caatggcgga agcgtttatg tcaacaggag 180
ttggagcttc tcttatccta attgcattaa aagtaggaat tactgctaaa actgttgag 240
ttataggagc tattgtcaca tcaatattat caatagcaac tgggacaagt tggggaacat 300
ttgcagcctg tgcacctatt tttttatggc taaatcatat agttggcgga aatattttat 360
ttgacaacaa gcagctattg cangangagc atgttttgga agataatata ggactatttc 420
agatactaca atagtaaagt ctggtatnca aaaaagtttg aaagttgtaa gaaagaattn 480
gacaccaag gtggtatggg caagcattag ntttnataat tcaaggaatt aataggcatt 540
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ccccgcaggn cntcacgttc gggcttctga ttgccgcggc gaengcgact ttngccgcag 180
ctcaggaaga atggagna 198

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<210> 565
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agaaagatgg tggggttgnt cacctctgta cagaccatct gtatgttagg tgacattgat 180
tatgggttat aatcagggaa actaattgga tttagtgaca aaaataaaaa gttttttttt 240
tatganaaaaa aannnanggg ggac 264

<210> 566
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cgctccatgt tcatgctcag atggcagaga atgaanaaga nggtagtggn ggcggaggca 120
gtgaagagga tccccctgc anacaccaaa gctgtgaaca gaaagactgc ctggccanca 180
aaccttggga catcagcctg gccancctg aaagcatccg cagtgcacta gagagttctt 240
gatgcacagt ctgacgatgt gccagacatc accttcagaa tgaaatgtgg nttcnccgc 300
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<210> 567
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<212> DNA
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<400> 567
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
nggggggcct tttnaaaaaa nnaaantt 208

<210> 568
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<212> DNA
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<223> n equals a,t,g, or c

<400> 568
ncttggtcta ncctggctgc tcagaaagag cagtcaggac ttgaggggaag catcaaattc 60
tatacccata aactgcagtt ggaagtcagc tttttgaaat gtccagcctt tgcccaattg 120
tttcagatca tctcattcct caggttttgg caggtatcct gccctccatc ttattccagt 180
gtgttcacct natcaaggca gcanagtggg tgaaggagta agtctgccct ttgccatact 240
gaacagctgt ggaccccgat tggtaggggc tctgcatatg cctgtatgaa ngagatacan 300
gtgtgngtgc acatgccggn nt 322

<210> 569
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (541)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (591)

<223> n equals a,t,g, or c

<400> 569

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gggaacccga tcctaattca gagaatattg ctgcaatctc tcagtcttca gtgggttcag 60
acttgtttgt atttaaacct agtgagccaa ggccattgta tattcaaaag ggtatctcca 120
gagagaaaagt ccagtgggga gtgtttgttc cactgagatgt ccctgaatcc ttcacctcag 180
aagcttacca gtggctaaat agatcccagt tttacttcct aacaaaatca cagagtttat 240
tgacattcag tacaaagtct ccagaagaaa aactcacacc aacanagcaa acagctgcta 300
gcagaagaaa gtcttcccac aacccccattt tatttcatat tgggaaaaca caggcaacag 360
caggatgaaa aactaaacga aacttttagag aatgagctgg tacaactacc cttaacagaa 420
aacatacccg caattagtga gcttcttcac actccaccca tgtcctgcca tctgctgctt 480
tcctgtntct catgtttgna aattcattgc tgctgtctaa aggagactaa gaagtgctaa 540
ngaaattcct gaaaaatgta gatatgggaa gaagnaaaac ggaaagtnaa natt      594
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<210> 570

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 570

```
gcggacgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgcagtat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgata ttcaattgag tattaaataa ttgtcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttanacaag attctnanan taaattggta 300
acttntatga                                     310
```

<210> 571

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 571

```
gggcgggtgc ggtagtgga ccgggaccgg taggggtgct gttganatta tgggtgaccc 60
```

ctanccccgg taccctgaat gatagatcga ggangannta actatagna

109

<210> 572

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<400> 572

gtgtatttta caattttttt aaaggaaaat ttaaaatatg aaatgtttgt tttgtcttaa 60
cagggatatcc cttctccctc ccttgtcagc cttccttcct tctttgaaag gagaagtcac 120
acgttaagta gatctacaac tcatttgata tgaagcgtta ccaaaatctt aaattataga 180
aatgtataga cacctcatat tcaaataaga aactgactta aatggactt gtaattagca 240
cttggtgaaa gctggaagga agataaataa cactaaacta tgctatttga ttttnccttct 300
tgaaagagta aggtttacct gntacatttt caagttaatt catgtaaaaa atgatatgta 360
ttttgatgta attnatctct tgatcgaatc tngcattcna aaggccaata atttaaagnn 420
ggctatcaa 429

<210> 573
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 573
gggctggggc tgaccgagga ggtggagggg ggnagaggct ggggntgata aatctattga 60
ttgattgtga tagtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anaaaaanaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaana aatntaatat gc 202

<210> 574
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 574
gcccacgcgt ccgtctagat cgcgagcggn cgcccttttt tttttttttt canaagagct 60
acattgtgtc antggacatt tttaaaaact gtgattttta ataatgtcca atgactgcaa 120
gtcggcctgg attttcaactt gcaaaggnta cagctgcatt gtnaggtctc cnagccctgc 180
agagagctcc ntccactggt tagcagtgtg ttgtgttttn cattcattt 229

<210> 575
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 575
gaaaagctta aagaaggttt tactgatcca gatgttgatc agagacttcg agccttgagg 60
gttcttggtg ctgatgttgg tgaaggtgtg cgcggggatc agtaaaagct taaagaaggt 120
tttcacaggt cactgggctg tggtagaga aggcctcacg aacccttgga ttccggataa 180
ctggtcttgg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240
aggactggan caagaangac 260

<210> 576
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<400> 576

ggttttgtcc ttgtgttagg cagtctgagc agcgagtgat ccagagcgca gccaaacaaag 60
cagcagatag cagtgtacag aaagcaaaaa aggaactgta tgtgaggcac ttgtttctgt 120
taatatccat attcctgtta acacacaccc tttctcatgt aaaaagaaaa ataaataaat 180
ggctctgaact ttgaaaactt tgtgctgnta ancatagatt ttggagacaa atnaatagat 240
gctatgctgt ntcantttca tag 263

<210> 577

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 577

gaggaaacac tgtctatgat aggattttcca aaagtatttg tggacagtta aatgctaatt 60

aatatacatc tgtagttatt ctacattttc ttgaaatttg ggagggttaat accaagtatt 120
catttcacatga tgtaaagaaa ctgaacagtg aagtggcttg attgcttaaa ctattgactt 180
ggtaagtcta ctgtatataa catctaatat atatattaca ggccaaatga actaaacatt 240
gccttgctat attcaccaaa aggacttaat tccttgttttt ttcccagttt tatatanagg 300
aaacactatg ataggatttc cttaaagtatt tgtggacagt taaatgctaa ttatatacat 360
ntgnnn 366

<210> 578

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<400> 578

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gganngctgg attnggccca ggcaaagacc agcaggaaga agaaatttgg gaaaaaaaaac 60
aaggaccagg gaggtgagta ctgagggcca gggaagagga gtaggggtgt ctgaggggtga 120
tctctggccc accgccttgg ccccttctcc caggtctnac ccaggcacag tacattgact 180
gcttccagaa gatcaagtac agcttcaacc tnetggtagg tggctcccca caagttcacc 240
aggcctctcc tcttcccctt cctccccagt aatcctctgc tgtctggact caaccatccc 300
aagccttttt cttcttcac c tactccccct agaacctccc cttccctctt gggacttttg 360
ggaagtgcc a gccttncagc caaggcataa aacaattatg gtgacctggg gaanatggng 420
tggtgtgaag ggtggtgaca ggcattgctc tttgtcccca agggaaaggc tggcccacct 480
ggnttgaagg agacaagtgc cccctgagct cgtacacatt cctctttaag tcccttgaac 540
tttcgtgaag ttaagggacg acannggtgn tnaaanacgg acaggcttga agtca 595
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<210> 579

<211> 132

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<400> 579

```
cnaccttcta agagatntaa tgggtcacta tgtgtgggta ttctacatta agcctacaac 60
attnttcagg gttgganana tgaactaata ctgggtgaaaa tttacctaan acctnggta 120
tcaaaaacat ct                                     132
```

<210> 580

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc featur
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 580
ntcggaaatna accntcactt aagggaacaa aagctggagg angcgcgcct gcaggtcgac 60
actagtggat ccaaagaatt cggcacgagg ccgcgttgac cactggcgtc tcgctggtgg 120
tcttcgagac cggcgttggg tgaaaatcgc ccccggtttt ggccgtggcc gcgggtgaga 180
ttcggcgccc agagcccccg ggggcctcag ctaccgcgc gctgccccat gtgcgncggt 240
gaaaccacag ccccgacagg cgctgccgnc tcccccccg ggtgcggttc gttcgcgagg 300
tggtggcccc tgattccttg accccgattg cagaccctta accttgttct ttnttccgca 360
gacaatggn cttnccacg gctgtacaac cgacggctcg ccaaggaccn nggggttttg 420
gggggaantt tggtttttcc caagggtttt caaattaaag ttgtttttgt tttaaaaaaa 480
aaaaaaaaa aaaaattggg ggggtanttt ttgggggggg cccgggggnc ccatggtttt 540
ttncaanccg ggnggggt 558

<210> 581
<211> 120
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 581
ggggacccgg cccaattccc gggtcgacca cgcgtccgca cgattggaag aagaagcttt 60
tncnnttggn ctaattcgca ctttcctcac gaggaatna aantaggga aaaaccaaac 120

<210> 582
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<400> 582

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ggcanagctc agaatgctta tttccaatta aaacgcctac agctgcctcc tagaatatag 60
actgtctgta ttattattca cctataatta gtcattatga atgctttaaa gctgtacttg 120
catttcaaag cttattaaga tataaatgga gatttttaaag tagaaataaa tatgtattcc 180
atgtttttta aaaaaaaaaa aaaaaaaaaa nccccggggg gggccccggt ccccattn 240
cccantgggg ggccgtttnn                                     260
```

<210> 583

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 583

```
gggaggcccc cggcgcccc ccggtgtccc cgcgaggggc cgggggcggg gtccgcccgc 60
cctgcgggcc gccggtgaaa taccactact ctgatcgttt tttactgac ccggtgaggc 120
gggggggcga gccccgagg gctctcgctt ctggcgccaa gngcccggcc gcgcgcccgc 180
cgggcgcgac ccgctccggg gacagtcca ggtggggagt ttgactggg cggtacacct 240
gtcaaacggt aacgcagggt tcctaaggcg agctcaggga ggacagaaac ctcccgtgga 300
gcagaagggc aaaagctcgc ttgatcttga ttttcagtac gaatacagac cgtgaaagcg 360
gggcctcacg atccttctga ccttttgggt ttttaagcagg aggtgtcaga aaagttacca 420
canggataac tggcttgtgg cggccaaacg ttatagcgan gtcgctttt 469
```

<210> 584

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<400> 584

```
ggtttagtttt accctactga tgatgtgttg ttgccatggt aatcctgctc agtacgagaa 60
gaaccgcagt tcagacattt ggtgtatgtg cttggctgag gagccaatgg ggcgaactac 120
catctgtggg attatgactg aacgcctcta agtcagaatc ccgcccaggc ggaacgatac 180
ggcagcgccg cggagcctcg gttggcctcg gatagccggt ccccgccctg tccccgccgg 240
cgggcccggc ccncctccac gcgcncgcg cgcgcgggag ggcgcgtgcc ccgccgcgcg 300
ccgggaccgg ggtccggtgc ggagtgccct tcgtcctggg aaacggggcg cggccggaaa 360
g                                                                 361
```

<210> 585

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
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<222> (426)
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<220>
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<222> (441)

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<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 585

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gcgacctcgg agcagaacc c aacctccgag cagtacatgc taagacttca ccagtcaaag 120
cgaactacta tactcaattg atccaatnac ttgaccaacg gaacnagtna ccctanggat 180
aacagcgcaa tcctattcta tantcctat caacaatagg gttnacgacc tcgatnttgg 240
atcaggacat cccgatgggtg cagccgctat aaaangttcg tttgttcaac cattaaagtc 300
ctacgtgatc tgaattcana ccggagtaat ccaggtcggt ttctatctac ttcaaattcc 360
tcnctgtacn acaggacatn aagatataag gcctacttct caaancgcct tccccgtaa 420
atgatntcat ctcaacttaa ntatnatacn cacaccctcc caataaaagg gtctgttggg 480
tt                                                                 482
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<210> 586

<211> 492

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

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<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

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<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

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<222> (458)

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<220>

<221> misc feature

<222> (463)

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<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 586

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cgcgctccggt cctttccent tcccccccc cagcctcct cccctcctcc cgcccacgcc 120
ccgctccccg ccccgaggag cccgcggacg ctacgccgag acgagtagga gggccgctgc 180
ggtgagcctt gaagcctagg gcgcggggcc gggtaggagc gccgcaggtg cagatcttgg 240
tggtagtagc aaatattcaa acgagaactt tgaaggccga agtgagaaag ggttccatgt 300
gaacagcagt tgaacatggg tcagtcggtc ctgagagatg ggcgagcgcc gttccgaagg 360
gacgggagat ggccctcggt gccctcggcc gatcgaaagg gagtcgggtt cagatccccg 420
aatccggagt ggcgagagat gcgccgngag gcgtcagngc ggnaacgcga ccgatccccn 480
agaagcccgg ng 492
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<210> 587

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<400> 587

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ccacgcgtcc ggттаасаас аагааааааа тааттааааа тгагагагага ататтаттага 60
tatgnacaac acattttacag ttctgtaatg caaggatgca gtttaaaaaat gtgaagtagt 120
gnanggtttt tgaaaataag ctttaaaaata tagggatctt gaaaggcccc cgggggtact 180
attttataac ttagaataaa tgggnaatcn naactgtgtn tttggtaaаа таатттттта 240
antattttt 248
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<210> 588

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
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<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<220>
<221> misc f ature
<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (653)

<223> n equals a,t,g, or c

<400> 588

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gaattcccgg gtcgacccac gcgtccgcgg acgcgtgggg actgcttaga aatatagctg 120
aagtgatcac cacagccata aaattgttta agaaagattt atataatgtt tacaaatctg 180
gaatcaagga ttttagctga aatcctttaa gagatattag agcaagtatt taattcaggt 240
attttcaagt tttaaaactt aacctgttta cctactaaaa ataaaatagc tagttttttt 300
ctgcatataa aagttcattg aaatgatatg cccttatttg caatactttt cccataaagt 360
tttaagtgtg aaagaattgt aatttactag atatgtttgg tatgggatat tttgttaggc 420
aagttttctt ttttcttctt aaattgcaat aggcttccaa aaagagtata attgnttcag 480
aacaaattaa ctcttgcat tatacgtctn cctttttctt tacagtatta gtaaaatgaa 540
aaantggaca ctttctgatt taacttcact aatgnaanta ctctctcaag gaagctttta 600
aaanttaaat taccatcaca caacntttt atagtaaggc aacatttggt ttn 653
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<210> 589

<211> 625

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

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<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
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<222> (522)
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<220>
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<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<400> 589
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atacagaccg tgaaaagcggg gcctcacgat ccttctgacc ttttgggttt taagcaggag 120
gtgtcagaaa agttaccaca gggataactg gcttgcgcg gccaaagcgtt catagcgacg 180
tcgctttttg atccttcgat gtcggctctt cctatcattg tgaagcagaa ttcaccaagc 240
gttggttggt tcacccacac gagccctgtg cttttggtgt aaataatgta caatttggtg 300
atgtcattga atctagagga ctttccctt tttatatttg tattaacttt aacttattaa 360
aaanaaaaaa agaanaagaa aaacaattta taaaaanan aaaaagcaac caaccccaac 420
aacaataaaag aatggtttgg tattggagaa gggatggtca gttaagcctg ctggcacacg 480
acggaatgga tctgggcccg gggaccactt tcatactacg nncnactctt tggataacca 540
gggaggggca accgtttcgn tnngggctgt acccagaagg tggaacggag tttggacaga 600
ctntccatta ggcgtggntc tttat 625

<210> 590
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 590

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aagaacctct natecttgca tgccaggcac tctttcaatc acttcagtga ccatttttcc 120
aaaattctga aacatccaca cttagggttt tctttgaatt tgggggtgcc ctccccncac 180
ccggcagcct tctgtgtcag ggggntacgg tcttgatata gacaccattt tttggacctt 240
ggggcagttt tgggattcta gctncagggg tacctgggtc ttaagggcaa ggtttgggan 300
ccggnacttt ttgcaaaacg tgggggcagt ttcaattttg nccctnaang aggccctaga 360
cgggga 365
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<210> 591

<211> 65

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 591

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gccctatagt gagtcgtatt acaattcact ggccgtcggt ttacaacntc gtnannngga 60
aaacc 65
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<210> 592

<211> 269

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

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<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

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<220>

<221> misc feature

<222> (152)

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<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>
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<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<400> 592
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gtacaccgca atcatgtcta taatgtccta taacgnaggg gccgtaatgg ccatgaaagg 120
ggnaagnanc tntntggncc atcgctgcag anaggcgctt ngggaatcca ggcccagaat 180
ggtgaaccac gggacttnca gaaagatctt tncccatggg ntgaaccggt tgtnaatggg 240
tttgggccgg gnttgncat taaggtnc 269

<210> 593
<211> 307
<212> DNA
<213> Homo sapiens

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<220>

<221> misc feature

<222> (160)

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<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (278)

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<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 593

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ggcagagnag cattctctaa ctctacccca ccctacaaaa tgcatatgga ggtaggctga 60
aaagaatgta atttttattt tctgaaatac agatttgagc tatcagacca acaaaccttc 120
cccctggaaa agtgagcagc aacgtaaaaa cgtatgtgan agcctctctt gnaatttcta 180
gttagcaatc ttaaggctct ttaaggtttt ctccaatatt aaaaaatata accaaagaag 240
tcctgctatg ttaaaaaaca acaacannaa acaaacanca gnaaaaaatt taataaaaaa 300
ancggggg                                     307
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<210> 594

<211> 128

<212> DNA

<213> Homo sapi ns

<220>

<221> misc feature
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<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 594
tatccacact gtcaaacagg ttggtgtggg ttcattggca ttctttgnaa tactgcttaa 60
ttgctgatac cntatgaatg aaacatgggc tgtnattact gcaatcactg tgcctatcgg 120
canntaat 128

<210> 595
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
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<220>
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<222> (328)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
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<220>
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<222> (391)
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<220>
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<222> (407)
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<220>
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<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (552)

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<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<400> 595

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aacacagttt agtgcttttac atgctgtgct ctttgaagag atttcaacaa gaatattgta 120
tggttaaagca tcagagatgg taatctacag ctcacctctg aaggcaaata taagctggga 180
aaaaagtttt gatgaaattc ttgaagttca tggngatcag tgcaattgac cttntncctc 240
actcctgcc gntgaaaatg gattttttaa ttatactgna gctgatgaaa ctcctgattt 300
tgnagntaat ttattaagtc tgggatgnag aacttcaaga agtaagagct aagttctaag 360
ntcatgnttg gaaattaata cttnatattg ngctgggcta ttttganttt gggggggaat 420
cagcantatt cttcagaagg ggacctggtt tcttcaaggg aaagaaacac tcttattcca 480
aactacagaa taatggggta aacatgctaa ataggtctat aaggaaacca aatactggat 540
tatctcggag gntattggtn anaagggcct tgggtaaaaa taagggtaaa nanaaaagg 598
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<210> 596

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 596
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atttgtggct gtggattttt ttaactgcta gtagtggaat actggaaaag cttcatttct 120
gaagatgaat tttattttta aaaaatacat gcacactcaa aacttttagc tttgatcaca 180
agtggacaaa tttctgaaac caaaggcaac taagttgctg tgtagctct tgctggattt 240
tgagcctagg tcctactgtc tgccagtact catgtgagtt gtatgtgccc ccagtgtctac 300
atacgcaggt atgcgtaagt gtgtatgctt gttttaaaca aacactcaac gtacatatgt 360
acataatcta cacatattta tatcacatat ctagctttat tactatagac tatacgaatt 420
gnggtaaca tgaaatgnta ctttttacag actgttttta aaaaan 465

<210> 597
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
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<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

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<220>

<221> misc feature

<222> (147)

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<220>

<221> misc feature

<222> (159)

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<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

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<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)

<223> n equals a,t,g, or c

<400> 597

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ccaaaaagga ccaactggct tctgtgcaact agcctgtnaa ttannttgct tagtatgggt 120
ctnagatcctt gnacagtata tttaaanctg taaatatgnt tgtgccttaa aaggngagaa 180
gaaagtntag atagttaaaa gactgcagct gctggaagtt ctgagccggg caagtngtgn 240
ggggctgttg ggacacttnc ttgtggggcc cggggtaatc agggcagcct ttcatagggc 300
ggggtccatg tgntggcant                                     320
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<210> 598

<211> 688

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

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<220>

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<222> (584)

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<220>

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<222> (604)

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<222> (637)

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aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacaccgctc tatgtagcaa aatagtggga agatttatag 300
gtagaggcga caaacctacc gagcctgggt atagctgggt gtncaagata gaatcttagt 360
tcaactttta atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc 420
aaagaggaac agctcttttg aactaggaa aaaacctttg tagagagagt naaaaattta 480
acaccccata gtaggcctaa aagcagncac caattaaaga aagcgttcaa gcttcaacac 540
ccacttccta aaaaattcca aacatataac tggaaacttc tnanacccaa ttgggaccaa 600
tttntcacc ctattagaaa gaaactaatg gttagtntta angtaaccan tgaaaaacat 660
ttttccttcc ggnattaaag ccctggcg 688

<210> 599
<211> 748
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (613)
<223> n equals a,t,g, or c

<220>
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<222> (657)
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<222> (707)
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<221> misc feature

<222> (727)

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<400> 599

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tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga aaaattataa 120
ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat taactagaaa 180
taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta cctaagaaca 240
gctaaaagag cacacccgtc tatgtagcaa aatagtggga agatttatag gtagaggcga 300
caaacctacc gagcctgggt atagctgggt gtccaagata gaatcttagt tcaactttaa 360
atttgcctac agaaccctct aaatccccct gtaaatttaa ctgttagtcc aaagaggaac 420
agctctttgg acactaggaa aaaaccttgt agagagagta aaaaatttaa cacccatagt 480
aggcctaaaa gcagccacca attaagaaag cgttcaagct caacaccac tacctaaaaa 540
atnccaaaca tataactgac tccttacacc caaattggac ccaatctatc acccctatag 600
aaagaactaa tgntagtatt aagtaaccat gaaaaacat tcttctctcg gattaancc 660
tgcgtcagga ttaaaacccc tgaactggcc atttaacagg cccaatntct taccattcaa 720
cccaccnagg tcattattac cttactt 748
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<210> 600

<211> 253

<212> DNA

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<222> (91)

<223> n equals a,t,g, or c

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<222> (94)

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<223> n equals a,t,g, or c

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ccccgggaaa aaccgcttgn atgcnccaaa nctngtggaa ctttgcccca gcagtgatgc 120
ctgccaggaa aggggttgaa cgcgaaacctt gacgaagggg gggcccgggtt acccaattgc 180
ggccctatag tgnagtngtg attnacaatt gcactgggcc gtcgtttttg acaagttcgt 240
gatgtttggn nat 253

<210> 601
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<212> DNA
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<222> (338)
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<222> (494)
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<222> (500)
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<222> (507)
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<220>
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gtccacgtcg ctacgagtca gcccatccat ccatggctac cacttcgaca cagcctctcg 120
taagaaagcc gtgggcaaca tctttgaaaa cacagaccaa gaatcactag aaaggctctt 180
cagaaactct ggagacaaga aagcagagga gagagccaag atcatttttg ccatagatca 240
agatgtggag gagaaaacgc gtgccctgat ggccttgaan gaagaggaca aaagacaagc 300
ttttccattt ctgaaactgc ggaanttttc cttcaaantt cattgaagag aagaggttgg 360
ttaaggacgt tttccaggat tggacattca aagaccagtg ggtttttggg nttttacagt 420
tgcagctttg tttttacctt acagtttttt tttttcaggt tccaggtttg aagggcccg 480
ttgaaaggcc cggnttacan ttgtttnaag gttcccatat tttt 524

<210> 602
<211> 397
<212> DNA
<213> Homo sapiens

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<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
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<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
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gccgcgcggg cgggctgagt gagcaagaca agacactcaa gaagagcgag ctgcgcctgg 120
gtcccggcca ggcttgacg cagaggcggg cggcagacgg tgcccggcgg aatctcctga 180
gctccgcgcg ccagctctgg tgccagcgcc cagtggccgc cgcttcgaaa gtgactggtg 240
cctcgccgcc tcctcttcgg tgcgggacca tgaagtgctg ccgtcgggtg tgctgaaact 300
ctttctggnt tcattctctt cggcactggt tactggcgaa aancctggaa acggctttcg 360
ganaaggcta actgctggna acaagnaaac cggaacc 397

<210> 603
<211> 76
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
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<222> (64)
<223> n equals a,t,g, or c

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agtntccct cctaag 76

<210> 604
<211> 127
<212> DNA
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<223> n equals a,t,g, or c

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ggagccntag tccgctgcac ggagactgtg gtgtnggnct tgacgagggtg ggtcagtga 120
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<210> 605

<211> 138

<212> DNA

<213> Homo sapiens

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<222> (134)

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<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 605

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ggttgcanga attcggcacg agagggancc gtgggccggg cgcgccggtt cccggcacnt 120
gtctcggcac gtgncanc 138

<210> 606

<211> 102

<212> DNA

<213> Homo sapiens

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<222> (18)

<223> n equals a,t,g, or c

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<222> (41)

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<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<400> 606

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<210> 607

<211> 80

<212> DNA

<213> Homo sapiens

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<221> misc feature
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<223> n equals a,t,g, or c

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<220>
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<222> (78)
<223> n equals a,t,g, or c

<400> 607
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naaaccaaatt tngcccnnaa 80

<210> 608
<211> 398
<212> DNA
<213> Homo sapiens

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<220>
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<222> (138)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<220>

<221> misc feature

<222> (373)

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<220>

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<222> (377)

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<222> (386)

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<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<400> 608

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ggactcgggg cgctggaggg aagtttcggt cttcggagaa acagaacgcg ctcgaggggg 120
caccgtgggg cnaaggnnnc actcggttgc ggcggcagga gtgagggaca gtccccgat 180
ttcctgctcc ctggggccct ggggacgttc cggccaccgg agcgactgtc acgccgacgg 240
ggatcaccgg cgcgagttgg ggggtcggaa agcgctcct cccgccggtc gcggtccgct 300
aaccacttct cgcttgccctg ttccgctcct taagagcaac tgttgccctt ttgaagcagn 360
ataagtgtgc tgngctngaa gcttanccgg ttgnttgt 398
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<210> 609

<211> 275

<212> DNA

<213> Homo sapiens

<220>

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<222> (28)

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<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>
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<222> (262)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
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taataggtaa tgcaggatatg ttcagggttaa gccacaatg ttttgcattt ttatgcttat 120
tttctgtcaa cactaatgaa gtcaacattg cctgaatgtc tgaataatga aacacatccc 180
tgtttaaaag tatgtaactg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa 240
aaaaaaaaaa aaaaaaaaaa nnccncggg gggnc 275

<210> 610
<211> 433
<212> DNA
<213> Homo sapiens

<220>
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<222> (329)
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<220>
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<222> (358)
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<220>
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<222> (391)
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<220>
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<222> (422)
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<220>

<221> misc feature

<222> (429)

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<400> 610

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tctcctcagc cgagaatgac ttcgtccacc ggatccagga ggtggaagag gatggcccca 120
gcagctgctc ggaggacgat tacagtgagc tgctgcagga gatcacagac aacctgacga 180
ggaaggagat tcagatagag aagatccatt tggacacgtc ctccctcatg gaggagctgc 240
ctggagagaa ggaccttgcc cacgtggtag agatcttatg actttggaac cagcgttcaa 300
gacggaggac ctgcttggca acgtttttnt gagtttccaa gaggaagggg tttcaagntt 360
caattgggtt ggatgataat tcaaggaatt nggcantttt tccctgcccg ggccttaatt 420
tncggaagnc ctg 433
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<210> 611

<211> 497

<212> DNA

<213> Homo sapiens

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<222> (340)

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<220>

<221> misc feature

<222> (405)

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<220>

<221> misc feature

<222> (422)

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<222> (459)

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<222> (481)

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<222> (487)

<223> n equals a,t,g, or c

<400> 611

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tgctggagca gccggagtc tccctggtgt tggaggggct ggtgttcctg gcgtgcctgg 120
ggcaattcct ggaaaaccac cccacactgg gaatagccac cttgcccttg tagaatccat 180
ccgcccattc gtccattcat ccacgggtcc gtccatccat gtccccagtt gaccgcccgg 240
caccactagc tggtgggtg caccacccat caacctggtt gacctgtcat ggccgcctgt 300
gccctgcctc caaccccatc ctaaactccc ccaaggcgtn cggggctgtg cagactgggg 360
tgccaagcat cttctcccca accggggtgt tcccacatgc agtantgtat aacccccatt 420
cnttcctcgg tccaatgaac ttcagagcag ttccattcnt gcccgcccat cttttgtgtc 480
ngctgtnaaa ataaata 497
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<210> 612

<211> 503

<212> DNA

<213> Homo sapiens

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<222> (47)

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<220>
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